

The University of Burdwan



Syllabus for B.A. (Hons.)

in

Philosophy

Under Choice Based Credit System

w.e.f. 2017-2018 onwards

THREE-YEAR B.A. HONOURS IN PHILOSOPHY

(SIX- SEMESTER PATTERN)

(To be effective from 2017-2018)

There will be six semesters in the Three-Year B.A. (Honours) programme. It consists of 14 Core Courses, 2 Ability Enhancement Courses, 2 Skill Enhancement Courses, 4 Discipline Specific Elective Courses and 4 Interdisciplinary Generic Elective Courses. Each Course, except Ability Enhancement Course and Skill Enhancement Course, is of 75 marks, of which 60 marks is for Semester-End Examination (written) and 15 marks for Internal Assessment.

Ability Enhancement Course will be as per General Instruction; while Skill Enhancement Course is of 50 marks, of which 40 marks is for Semester-End Examination (written) and 10 marks for Internal Assessment.

B.A.(Honours) in Philosophy: 1st Semester

In this semester, for the Philosophy Honours Students the Core Courses and the Ability Enhancement Course (centrally framed) are compulsory; while they are to opt for one Interdisciplinary Generic Elective Course from any subject other than Philosophy. Students of any other Honours subject may opt for the Interdisciplinary Generic Elective Course of Philosophy.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 1	Outlines of Indian Philosophy—I	Core Course	5 - 1 - 0	6	75
CC- 2	Outlines of Western Philosophy—I	Core Course	5 - 1 - 0	6	75
GE- 1	Indian Philosophy	Interdisciplinary (Generic Elective)	5 - 1 - 0	6	75
AECC- 1	ENVS	Ability Enhancement Course	4 - 0 - 0	4	100

B.A.(Honours) in Philosophy: 2nd Semester

In this semester, for the Philosophy Honours Students the Core Courses and the Ability Enhancement Course (centrally framed) are compulsory; while they are to opt for one Interdisciplinary Generic Elective Course from any subject other than Philosophy. Students of any other Honours subject may opt for the Interdisciplinary Generic Elective Course of Philosophy.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 3	Outlines of Indian Philosophy—II	Core Course	5 - 1 - 0	6	75
CC- 4	Outlines of Western Philosophy—II	Core Course	5 - 1 - 0	6	75
GE- 2	Western Philosophy	Interdisciplinary (Generic Elective)	5 - 1 - 0	6	75
AECC- 2	Communicative Eng./ MIL	Ability Enhancement Course	2 - 0 - 0	2	50

B.A.(Honours) in Philosophy: 3rd Semester

In this semester, for the Philosophy Honours Students the Core Courses and the Skill Enhancement Course are compulsory; while they are to opt for one Interdisciplinary Generic Elective Course from any subject other than Philosophy. Students of any other Honours subject may opt for the Interdisciplinary Generic Elective Course of Philosophy.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 5	Indian Ethics	Core Course	5 - 1 - 0	6	75
CC- 6	Western Ethics	Core Course	5 - 1 - 0	6	75
CC- 7	Indian Logic	Core Course	5 - 1 - 0	6	75
GE- 3	Logic	Interdisciplinary (Generic Elective)	5 - 1 - 0	6	75
SEC- 1	Philosophy in Practice	Skill Enhancement Course	2 - 0 - 0	2	50

B.A.(Honours) in Philosophy: 4th Semester

In this semester, for the Philosophy Honours Students the Core Courses and the Skill Enhancement Course are compulsory; while they are to opt for one Interdisciplinary Generic Elective Course from any subject other than Philosophy. Students of any other Honours subject may opt for the Interdisciplinary Generic Elective Course of Philosophy.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 8	Western Logic-I	Core Course	5 - 1 - 0	6	75
CC- 9	Psychology	Core Course	5 - 1 - 0	6	75
CC- 10	Philosophy of Religion	Core Course	5 - 1 - 0	6	75
GE- 4	Contemporary Indian Philosophy	Interdisciplinary (Generic Elective)	5 - 1 - 0	6	75
SEC- 2	Philosophy of Human Rights	Skill Enhancement Course	2 - 0 - 0	2	50

B.A.(Honours) in Philosophy: 5th Semester

In this semester, for the Philosophy Honours Students, besides the two compulsory Core Courses there are two Discipline Specific Elective Courses containing Special Texts.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 11	Socio-Political Philosophy	Core Course	5 - 1 - 0	6	75
CC- 12	Western Logic-I I	Core Course	5 - 1 - 0	6	75
DSE- 1	Special Text: Kaṭhōpaniṣad	Discipline Specific Elective	5 - 1 - 0	6	75
DSE- 2	Special Text: B. Russell: The Problems of Philosophy	Discipline Specific Elective	5 - 1 - 0	6	75

B.A.(Honours) in Philosophy: 6th Semester

In this semester, for the Philosophy Honours Students, besides the two compulsory Core Courses there are two Discipline Specific Elective Courses containing Special Texts.

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 13	Philosophy in the Twentieth Century: Indian	Core Course	5 - 1 - 0	6	75
CC- 14	Philosophy in the Twentieth Century: Western	Core Course	5 - 1 - 0	6	75
DSE- 3	Special Text: Rabindranath Tagore: Sadhana	Discipline Specific Elective	5 - 1 - 0	6	75
DSE- 4	Special Text: Hume: An Enquiry Concerning Human Understanding	Discipline Specific Elective	5 - 1 - 0	6	75

DETAILED SYLLABUS

Semester- 1

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 1	Outlines of Indian Philosophy—I	Core Course	5 - 1 - 0	6	75

Recommended Topics:

- Detailed Introduction:** (a) General Features of Indian Philosophy, (b) Spirit of Indian Philosophy, (c) Basic Concepts of the Vedic and the Upaniṣadic World-Views
- Cārvāka:** (a) Perception as the only Source of Knowledge, Refutation of Inference and Testimony as Sources of Knowledge, (b) jaḍavāda and dehātmanvāda
- Jainism:** (a) anekāntavāda, (b) syādvāda and nayavāda, (c) Theory of Self and Liberation (d) Nature of Substance: Relation between Substance, Attributes & Modes
- Buddhism:** (a) Four Noble Truths, (b) praṭīyasamutpāda (c) kṣaṇabhangavāda, (d) nairātmyavāda (e) Four Major Schools of Buddhism
- Nyāya-Vaiśeṣika:** (a) Nyāya Epistemology : pratyakṣa (Perception), anumāna (Inference), upamāna (Comparison) and śabda (Testimony); khyātivāda (Theory of Error) (b) Vaiśeṣika Metaphysics : saptapadārtha (Seven Ontological Categories), paramāṇuvāda

Recommended Texts :

- Sāyana Mādhavācārya : Sarvadarśanasamgraha
- S. C. Chatterjee & D. M. Dutta : An Introduction to Indian Philosophy
- Haridas Bandyopadhyay : Bharatiya Darshaner Marmakatha

References :

- C. D. Sharma : A Critical Survey of Indian Philosophy
- J. N. Mohanti : Classical Indian Philosophy
- Satyajyoti Chakraborty (ed. & Bengali. tr.): Sarvadarśanasamgraha
- Niradbaran Chakraborty : Bharatiya Darshan
- Deepak Kumar Bagchi : Bharatiya Darshan
- Debabrata Sen : Bharatiya Darshan
- Pradyot Kumar Mandal : Bharatiya Darshan
- Panchanan Shastri : Carvak Darshan
- Ramkrishna Bhattacharya : Carvak Carca
- Shailendra Brahmachari : Abhidhamma Darpan
- Panchanan Shastri : Bauddha Darshan
- Satindra Chandra Nyayacharya : Jaina Dashaner Digdashan

- Karuna Bhattacharya : Nyaya-VasheshikDarshan

Course Code	Course Title	Course type	L - T - P	Credit	Marks
CC- 2	Outlines of Western Philosophy—I	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. **ThePre-SocraticPeriod:** (a) IonianSchool, (b) Parmenides, (c) Heraclitusand (d) Zeno (Paradoxes)
2. **Plato:** (a) Theory of Knowledge, (b) Theory of Ideas
3. **Aristotle:** (a) Refutation of Plato’s Theory of Ideas, (b) Theory of Substance, (c) Form and Matter, (d) Theory of Causation
4. **Descartes:** (a) Method of Doubt, (b) CogitoErgoSum, (c) Criterion of Truth, (d) Classification of Ideas, (e) Interactionism, (f) Substance
5. **Spinoza:** (a) The Doctrine of Substance, Attributes and Modes, (b) Parallelism, (c) Degrees of Knowledge, (d) Determinism and Freedom
6. **Leibniz:** (a) MonadologyandPre-establishedHarmony (b) TruthsofReasonandTruthsofFact, (c) Theory of Knowledge

Recommended Texts :

- F. Copleston : A History of Philosophy [vols. I, IV, V, & VII]
- W. T. Stace : A Critical History of Greek Philosophy

References :

- B. Russell : A History of Western Philosophy
- Y. Masih : A Critical History of Western Philosophy
- R. Falckenberg : History of Modern Philosophy
- Anders Wedberg : A History of Philosophy, vols.-I & II
- Tom Sorell & G. A. J. Rogers (ed.): Analytic Philosophy and History of Philosophy
- Niradbaran Chakraborty : Pashcatya Darshaner Itihas (Plato, Aristotle)
- Sushanta Chakraborty : Pashcatya Darshaner Itihas
- Kalyan Chandra Gupta : Pashcatya Darshaner Itihas
- Chandroday Bhattacharya: Pashcatya Darshaner Itihas
- Tarak Chandra Das : Pashcatya Darshaner Itihas, vols.-I, II & III
- Shyamal Kumar Mukhopadhyay : Socrateser Bicar o Mrtyu (Pub: Darshan O Samaj Trust, 1996)
- Sardar Fajlul Karim: Plator Samlap (Bengali Tr. of Plato’s Dialogues), Dhaka Bangla Academy

Course Code	Course Title	Course type	L - T - P	Credit	Marks
GE- 1	Indian Philosophy	Interdisciplinary Generic Elective	5 - 1 - 0	6	75

Recommended Topics:

1. **Introduction:** General Features of Indian Philosophy

2. **Cārvāka:** (a) pratyakṣa (Perception) as the only Source of Knowledge, (b) Refutation of anumāna (Inference) and śabda (Testimony) as Sources of Knowledge (c) Jaḍavāda and dehātmavāda
3. **Jainism:** (a) anekāntavāda (b) syādvāda and nayavāda
4. **Buddhism:** (a) Four Noble Truths, (b) pratītyasamutpāda, (c) kṣaṇabhaṅgavāda (d) nairātmyavāda
5. **Nyāya–Vaiśeṣika:** (a) pramāṇa: pratyakṣa (Perception), anumāna (Inference), upamāna (Comparison) and śabda (testimony) (b) saptapadārtha (Seven Categories)
6. **Sāṃkhya:** (a) satkāryavāda (Theory of Causality), (b) pariṇāmavāda (Theory of Evolution)
7. **Yoga:** (a) cittavṛttinirodha (b) aṣṭāṅgayoga
8. **Mīmāṃsā :** (a) arthāpatti (b) anupalabdhi
8. **Advaita Vedānta:** Brahman, jīva and jagat

Recommended Texts :

- S. C. Chatterjee & D. M. Dutta: An Introduction to Indian Philosophy
- C. D. Sharma : A Critical Survey of Indian Philosophy
- Haridas Bandyopadhyay : Bharatiya Darshaner Marmakatha

References :

- J. N. Mohanti : Classical Indian Philosophy
- Niradbaran Chakraborty : Bharatiya Darshan
- Karuna Bhattacharya : Nyaya-Vaisheshika Darshan
- Panchanan Shastri : Carvaka Darshan
- Panchanan Shastri : Bauddha Darshan
- Rajat Bhattacharya : Samkhyakarika O Samkhyatattvakaumudi
- Niradbaran Chakraborty : Bharatiya Darshan
- Deepak Kumar Bagchi : Bharatiya Darshan
- Debabrata Sen : Bharatiya Darshan
- Pradyot Kumar Mandal : Bharatiya Darshan
- Kanakprabha Bandyopadhyay : Samkhyapatanjaldarshan
- Tarakishor Sharma Choudhury : Patanjaldarshan
- Gobindagopal Mukhopadhyay : Yoger Katha : Patanjali Dristi
- Purnachandra Vedantachunchu : Patanjali Darshan
- Purnachandra Vedantachunchu : Samkhyakarika

Course Code	Course Title	Course type	L - T - P	Credit	Marks
AECC- 1	ENVS	Ability Enhancement Course	4 -0 -0	4	100

Semester- 2

Course Code	Course Title	Course Type	L - T - P	Cred it	Marks
CC- 3	Outlines of Indian Philosophy-II	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. **Sāṃkhya** : (i) satkāryavāda, (ii) pañcaviṃśati tattva and tattvaparīṇāma, (iii) prakṛti and its guṇa-s, (iv) Notion of puruṣa, bahupuruṣavāda
2. **Yoga**: (i) citta, (ii) cittabhūmi, (iii) cittavṛtti, (iv) cittavṛttinirodha (v) īśvara
3. **Pūrva-Mīmāṃsā** : (i) pramāṇa-s with special reference to arthāpatti and anupalabdhi, (ii) prāmāṇyavāda
4. **Advaita Vedānta** : (i) vivartavāda,, (ii) māyā, (iii) Brahman, jīva and jagat
5. **Viśiṣṭādvaita Vedānta**: (i) Distinction between advaitavāda and viśiṣṭādvaitavāda, (ii) Nature of īśvara, jīva and jagat, (iii) Criticism of Saṃkara's Doctrine of māyā
6. **Khyātivāda**: (Theory of Error): Bhāṭṭa and Advaita

Recommended Texts :

- S. C. Chatterjee & D. M. Dutta: An Introduction to Indian Philosophy
- Haridas Bandyopadhyay : Bharatiya Darshaner Marmakatha

References :

- C. D. Sharma : A Critical Survey of Indian Philosophy
- M. Hiriyanna : Outlines of Indian Philosophy
- Niradbaran Chakraborty : Bharatiya Darshan
- Deepak Kumar Bagchi : Bharatiya Darshan
- Debabrata Sen : Bharatiya Darshan
- Pradyot Kumar Mandal : Bharatiya Darshan
- Rajat Bhattacharya : Samkhyakarika O Samkhyatattvakaumudi
- Bidhubhushan Bhattacharya : Samkhya Darshaner Bibaran
- Kanakprabha Bandyopadhyay : Samkhyapatanjaldarshan
- Harihrananda Aranya : Yogdarshan
- Tarakishor Sharma Choudhury : Patanjaldarshan
- Gobindagopal Mukhopadhyay : Yoger Katha : Patanjali Dristite
- Purnachandra Vedantachunchu : Patanjaldarshan
- Sukhamaya Bhattacharya : Purva Mimamsa Darshan
- Roma Choudhury : Vedanta Darshan
- Pramathanath Sharma : Mayavad

Course Code	Course Title	Course type	L - T - P	Credit	Marks
CC- 4	Outlines of Western Philosophy—II	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. **Locke:** (a) Refutation of Innate Ideas and Principles, (b) Theory of Ideas, (c) Theory of Substance, (d) Distinction between Primary and Secondary Qualities and (e) Theory of Knowledge
2. **Berkeley:** (a) Rejection of the Lockean Notion of Substance, (b) Refutation of Abstract Ideas (c) Rejection of the Distinction between Primary and Secondary Qualities and (d) *Esse Est Percipii*
3. **Hume:** (a) Origin of Knowledge : Impressions and Ideas, (b) Laws of Association, (c) Relations of Ideas and Matters of Fact, (d) Notion of Causality, (e) Problem of Personal Identity and (f) Scepticism
4. **Kant:** (a) Idea of the Critical Philosophy, (b) Possibility of Metaphysics, (c) Kant's Copernican Revolution in Philosophy, (d) Role of Sensibility and Understanding in the Origin of Knowledge, (e) Possibility of Synthetic A-priori Judgments and (f) Space and Time
5. **Hegel:** (a) Dialectical Method and (b) The Absolute

Recommended Texts :

- Y. Masih : A Critical History of Western Philosophy
- R. Falckenberg : History of Modern Philosophy
- I. Kant : Critique of Pure Reason, tr. N. K. Smith

References :

- F. Copleston : A History of Philosophy [vols. I, IV, V, & VII]
- B. Russell : A History of Western Philosophy
- W.T. Stace : A Critical History of Greek Philosophy
- Anders Wedberg : A History of Philosophy, vols-I & II
- Tom Sorell & G. A. J. Rogers (ed.): Analytic Philosophy and History of Philosophy
- Humayun Kabir : Immanuel Kant
- Rashbihari Das : A Handbook on Kant's Critique of Pure Reason
- Sushanta Chakraborty : Pashcatya Darshaner Itihas
- Kalyan Chandra Gupta : Pashcatya Darshaner Itihas
- Chandroday Bhattacharya: Pashcatya Darshaner Itihas
- Tarak Chandra Das : Pashcatya Darshaner Itihas, vols. -I, II & III
- Monornjan Basu : Pashcatya Darshaner Itihas
- Rashbihari Das : Kanter Darshan
- Tafajol Hossain: Immanuel Kanter Pratham Kritik: Ekti Upasthapana

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
GE- 2	Western Philosophy	Interdisciplinary (Generic Elective)	5 - 1 - 0	6	75

Recommended Topics:

1. **Metaphysics:** Nature of Metaphysics, Elimination of Metaphysics
2. **Realism:** Naive Realism, Scientific Realism, Representative Realism
3. **Idealism:** Subjective Idealism, Objective Idealism

4. **Critical Theory of Kant**
5. **Theories of Causation : Regularity Theory and Entailment Theory**
6. **Substance : Views of Descartes, Spinoza, Locke and Berkeley**
7. **Relation between Mind and Body: Interactionism and Parallelism**
8. **Theories of Evolution : Mechanistic and Emergent**

Recommended Texts:

1. Falkenberg : History of Western Philosophy
2. Sibapada Chakraborty : General Philosophy

Reference:

- Sibapada Chakraborty : An Introduction to General Philosophy
- Ramchandra Pal : Darshan Parichay
- Rama Prasad Das & Sibapada Chakraborty : Pashcatya Darshaner Ruprekha
- Niradbaran Chakraborty : Pashcatya Darshaner Bhumika

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
AECC- 2	Communicative Eng./ MIL	Ability Enhancement Course	2-0-0	2	50

Semester- 3

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 5	Indian Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. *puruṣārtha* (Cārvāka and Āstikaviews)
2. **Vedic Concepts** : ṛta, satya, yajña, ṛṇa
3. **Ethics in Śrīmadbhagavadgītā** : niṣkāmakarma and sthitaprajña
4. **Buddhist Ethics** : pañcaśīla and brahmavihāra
5. **Jaina Ethics** : pañcavrata: mahāvratā and anuvratā, and triratna
6. **Yoga Ethics** : yama and niyama

Recommended Texts:

- S. K. Maitra : The Ethics of the Hindus
- I. C. Sharma : The Ethical Philosophy of India

References :

- K. N. Tewari, Classical Indian Ethical Thought
- Peter Hervey : Buddhist Ethics
- Sukhamoy Bhattacharya : Purvamimamsa Darshan

- Jagadish Chandra Ghosh :Bhagavadgita
- Somnath Chakraborty : NitividyarTattvakatha
- Sibapada Chakraborty : Nitividya
- Dikshit Gupta : Nitishastra
- Indrani Sanyal & Ratna Dutta Sharma (ed.) : Dharmaniti O Sruti
- Amita Chatterjee (ed.) : Bharatiya Dharmaniti
- Dhruva Acharyya: NitishastreSukhabad

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 6	Western Ethics	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Ethics
2. Nature of Morality
3. Moral and Non-moral actions
4. Object of Moral Judgment: Motive and Intention
5. Postulates of Morality
6. The Development of Morality
7. Normative Theories : Consequentialism (Teleology): (a) Hedonism, (b) Act Utilitarianism and Rule Utilitarianism; (c) Act Deontology and Rule Deontology, (d) Kant's Moral Theory
8. Theories of Punishment: Retributive, Deterrent and Reformatory Theory
9. Issues in Applied Ethics: (a) Suicide, (b) Euthanasia, (c) Gender Equality, (d) Affluence and Morality

Recommended Texts:

- W. Frankena: Ethics
- Y. V. Satyanarayan : Ethics : Theory and Practice

References:

- W. Lillie : An Introduction to Ethics
- J. S. Mackenzie : A Manual of Ethics
- P. Singer : Practical Ethics
- A.S.M. Abdul Khalek : NitibidyarTattvakatha
- Somnath Chakraborty : NitividyarTattvakatha
- Somnath Chakraborty : Kathay Karme Ethics
- Mrinal Kanti Bhadra : Nitividya
- Dikshit Gupta : Nitishastra
- Dhruva Acharyya: Paribesh Nitishastrer Paricay
- Shefali Moitra: Naribad o Naitikata
- Shefali Moitra: Feminist Thought
- Rajshree Basu : Naribad
- Rajshree Basu & Basabi Chakraborty (ed.): Prasanga: Manabividya

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 7	Indian Logic	Core Course	5 - 1 - 0	6	75

Recommended Topics & Text :

1. Annambhatta : *Tarkasaṃgraha* with *Dīpikā*

[From the text “sarvavyavahāraheturguṇo buddhirjñānam” to the end of upamāna]

References:

- Gopinath Bhattacharyya (tr. & elucidated) *Tarkasaṃgrahadīpikā* on *Tarkasaṃgraha*, Progressive Publishers, Calcutta
- Narayan Chandra Goswami (ed. & tr.) : *Tarkasaṃgraha* of Annambhatta
- Anamika Roychoudhury (ed. & tr.) : *Tarkasaṃgraha*
- Kanailal Poddar (ed. & tr.): *Tarkasaṃgraha*
- Indira Mukhopadhyay (ed. & tr.): *Tarkasaṃgraha*

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
GE- 3	Logic	Interdisciplinary Generic Elective	5 - 1 - 0	6	75

Recommended Topics:

1. **Basic Concepts of Logic:** (a) Nature and Scope of Logic, (b) Sentence, Proposition and Statement, (c) Inference and Argument,
2. **Types of Argument:** Deductive Argument and Inductive Argument
3. **Opposition of Propositions**
4. **Immediate Inference:** Conversion, Obversion and Contraposition
5. **Categorical Syllogisms:** Rules and Fallacies, Venn Diagram
6. **Truth-functional Argument**
7. **Science and Hypothesis**

Recommended Texts:

- M. Copi, C. Cohen, P. Jetli & M. Prabhakar : Introduction to Logic (14th Edition)
- R. S. Agarwal: A Modern Approach to Logical Reasoning, Paperback, 2007

References:

- Bo Bennett : Logical Fallacious: The Ultimate Collection of Over 300 Logical Fallacies (Academic Edition)
(This ebook is available in the downloadable formats: pdf (for reading on PC or MAC), epub (iPad, Nook, and most e-book readers), mobi (Amazon Kindle))

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
SEC- 1	Philosophy in Practice	Skill Enhancement Course	2 - 0 - 0	2	50

Recommended Topics:

1. **Common and Differentiating Characteristics of Philosophy and *darśana***

2. **Nature of Inquiry in Philosophy and *darśana***

3. **Outlines of the types of Inquiry in Philosophy and *darśana***: (a) Epistemic Inquiry in Philosophy and *darśana*, (b) Metaphysical Inquiry in Philosophy and *darśana*,

4. **A few Model World-views and corresponding paths leading to Perfection**: (a) Plato's view, (b) Kant's view, (c) Sāṃkhya view and (d) Advaita Vedānta View

5. **Methods of Philosophical Discourse (*kathā*)**: (a) vāda, (b) jalpa, (c) vitaṇḍā, (d) chhala, (e) jāti and (f) nigrahasthāna

Recommended Texts :

- H. Cappelen: The Oxford Handbook of Philosophical Methodology, Oxford University Press, 2016
- B.K. Matilal: The Word and The World, Oxford University Press, 2001
- Bimal Krishna Matilal: The Character of Logic in India
- Bertrand Russell: The Problems of Philosophy

References:

- Paul F. Kisak: Philosophical Methodology: The Methods of Philosophical Inquiry, CSI Publishing Platform, 2016
- E. V. Stubbley: **Philosophic as a Method of Inquiry**
- R. M. Keon: **Philosophic Semantics and Philosophic Inquiry**
- **The Methods of Philosophy is the Methods of Inquiry** (<https://explicitblog.wordpress.com>)
- Plato : The Republic
- G. E. Moore: Some Main Problems of Philosophy, New York
- Īśvarakṛṣṇa : Sāṃkhyakārikā
- Sadānanda Yogīndra: Vedāntasāra
- Gautama : Nyāyasūtra
- Th. Stcherbatsky: Buddhist Logic, vol.-I
- B.K. Matilal: Perception, Oxford University Press, Oxford, 1986
- D. M. Datta & S. C. Chatterjee : **Introduction to Indian Philosophy**
- C. D. Sharma : **A Critical Survey of Indian Philosophy**
- Sibapada Chakraborty : **An Introduction to General Philosophy**
- Ramchandra Pal : **Darshan Parichay**
- Rama Prasad Das & Sibapada Chakraborty : **Paschatya Darshaner Ruprekha**
- Niradbaran Chakraborty : **Paschatya Darshaner Bhumika**
- Phanibhushan Tarkabagish: **Nyay Parichay**

Semester- 4

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 8	Western Logic-I	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Deduction:

Propositional Logic, 1st Order Predicate Logic (Up to singly general proposition).

Recommended Texts :

- M. Copi, C. Cohen, P. Jetli & M. Prabhakar : Introduction to Logic (13th Edition) [Chapters 3 to 8]
- Ramaprasad Das: Navya-yuktivijnan

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 9	Psychology	Core Course	5 - 1 - 0	6	75

Suggested Topics:

1. Nature of Psychology
2. Research Methods in Psychology
3. Central Nervous system
4. Perception: Colour and Depth, Pattern Recognition, Perceptual Organization
5. Attention: Nature, Conditions, Span and Division of Attention
6. Learning: Classical Conditioning Theory, Instrumental (Operant) Conditioning Theory, Trial and Error Theory, Insight Theory
7. Memory: Factors of Memory, Marks of Good Memory, Laws of Association, Causes of Forgetfulness
8. Consciousness: Levels of Consciousness, Freud's Theory of Dream
9. Intelligence: Insight and Intelligence, Measurement of Intelligence, I. Q. Test of Intelligence

Recommended Texts :

- C. T. Morgan & R. A. King Jr.: Introduction to Psychology
- Robert S. Feldman: Understanding Psychology
- Pareshnath Bhattacharya : A Textbook of Psychology, vols.-I, II & III

References:

- G. F. Stout : A Manual of Psychology
- Woodworth & Marquis : Psychology
- R. S. Woodworth : Contemporary Schools of Psychology
- E. B. Titchener : A Text Book of Psychology
- Pareshnath Bhattacharya : Monovidya
- Priti Bhusan Chattopadhyay : Monovidya
- Ira Sengupta : Monovidya

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 10	Philosophy of Religion	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Philosophy of Religion: (a) Religion, Dharma, Dhamma and (b) Philosophy of

Religion, Comparative Religion and Theology

2. **Origin and Development of Religion: Anthropological and Freudian Theories**
3. **Fundamental Features of Major Religions: Hinduism, Christianity, Islam, Buddhism: Basic Tenets, Bondage and Liberation**
4. **Arguments for the Existence of God (Indian and Western): Yoga Arguments, Nyāya Arguments, Cosmological Arguments, Teleological Arguments, Ontological Arguments**
5. **Arguments against the Existence of God: Sociological Arguments, Freudian Arguments, Buddhist Arguments**
6. **The Problem of Evil**
7. **Monotheism, Polytheism and Henotheism**

Recommended Texts :

- J. Hick : Philosophy of Religion
- P. B. Chatterjee : Studies in Comparative Religion
- Edward : Philosophy of Religion

References:

- Swami Vivekananda: A Study of Religion
- Kalidas Bhattacharyya : Alternative Religions
- Amlan Datta : Dharma O Yukti
- D. Mahanta: Dharma Darshaner Katipay Samasya
- Kalyan Gupta & Amitava Chakraborty : Dharma Darshan
- M. M. Sharif : A History of Muslim Philosophy
- M. Fakhry : A History of Islamic Philosophy
- S. R. Saha (ed) : Religions of the People of India
- R. K. M. Institute of Culture : The Religion of the World
- Osman Ghani : Islamic Cinta O Chetanar Kramabikash (vol. 10)
- Hasan Ayub : Islami Darshan
- R. S. Franks : The Doctrine of Trinity
- K. N. Tiwari : Comparative Religion
- Pijush Kanti Ghosh : Dharma Darshan
- N. Arabinda Basu and Nibedita Chakraborty: Dharma Darshan Parichay

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
GE- 4	Contemporary Indian Philosophy	Interdisciplinary(Generic Elective)	5 - 1 - 0	6	75

Recommended Topics: Philosophical Thoughts of Rabindranath Tagore, Swami Vivekananda, Sri Aurobindo,

S. Radhakrishnan, Md. Iqbal and Mahatma Gandhi

- Rabindranath Tagore:** (a) Nature of Man : The Finite Aspect of Man, the Infinite Aspect of Man , (b) Nature of Religion and (c) Surplus in Man
- **Swami Vivekananda :** (a) Practical Vedānta and (b) Universal Religion
- **SriAurobindo:** (a) Nature of Reality, (b) Human Evolution– its different stages and (c) Integral Yoga
- S. Radhakrishnan:** (a) Nature of Man, (b) Nature of Religious Experience
- Md. Iqbal:** (a) Nature of the Self, (b) Nature of the World and (c) Nature of God
- Mahatma Gandhi:** (a) God and Truth and (b) Ahimsa

Recommended Texts :

- B. K. Lal :** Contemporary Indian Philosophy
- D. M. Dutta :** Chief Currents of Contemporary Philosophy
- Binay Gopal Roy :** Contemporary Indian Philosophers

References:

- The Complete Works of Swami Vivekananda (vol. II), Advaita Ashram, Calcutta

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
SEC- 2	Philosophy of Human Rights	Skill Enhancement Course	2 - 0 - 0	2	50

Recommended Topics:

1. **Definition and Nature of Human Rights**
2. **The Idea of Human Rights:** Its Origins and Historical Developments during Ancient period, Modern Period and Contemporary Period
3. **The Idea of Natural Law and Natural Rights:** Thomas Hobbes and John Locke
4. **Natural Right, Fundamental Right and Human Right**
5. **Preamble, Fundamental Rights and Duties (Indian Constitution) Recommended**

Texts:

- **Patrick Hayden (ed.):** The Philosophy of Human Rights, Paragon House, St. Paul, First Edition, 2001.
- **Morton E. Winston (ed.):** The Philosophy of Human Rights, Wadsworth Publishing Co. Belmont, California, 1989.
- **Jeremy Waldron (ed.):** Theories of Rights, Oxford University Press, Oxford, 1984

References:

- **Ashwani Peetush and Jay Drydyk:** Human Rights: India and West, Oxford University Press, New Delhi, 2015
- **James Nickel:** Making Sense of Human Rights, Blackwell Publishing, Oxford, 2007
- **Henry Shue:** Basic Rights: Subsistence, Affluence and U. S. Foreign Policy, Princeton University Press, Princeton, 1980
- **Gary, B. Herbert:** Philosophical History of Human Rights, Transaction Publishers, New Jersey, 2002
- **Michael Freedon:** Rights, Worldview Publications, New Delhi, 1998
- **Lynn Hunt:** Inventing Human Rights: A History, Norton & Company, New York, 2007

- Jack Donnelly: Universal Human rights in Theory and Practice, Manas Publications, New Delhi, 2013
- Benulal Dhar: The Philosophical Understanding of Human Rights, D. K. Print World, New Delhi, 2013
- William A. Edmundson: An Introduction to Rights, Cambridge University Press, Cambridge, 2012
- Carl Wellman: The Moral Dimensions of Human Rights, Oxford University Press, Oxford, 2011
- Benulal Dhar, Manavadhikar Ki Ebong Kena, Pragati Prakashak, Kolkata, 2016
- J. K. Das: Human Rights Law and Practice, PHI Learning, 2016
- Durga Das Basu : Introduction to the Constitution of India, Lexis Nexis, 2016
- Justice Ruma Paul & M.P Jain: Indian Constitutional Law, Lexis Nexis, 2016
- L. K. Thakur, Comparative International Human Rights, Authors Press, Delhi, 2001

Semester- 5

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 11	Socio-Political Philosophy	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Nature and Scope of Social Philosophy and Political Philosophy
2. Basic Concepts: Society, Social Group, Community, Association, Institution, Customs, Folkways and Mores
3. Social Class and Caste: Class Attitude and Class Consciousness, Marxian Theory of Class, B. R. Ambedkar's Criticism of Caste System, Dalit Movement
4. Political Ideals:
 - i) Democracy – its different forms
 - ii) Socialism – Utopian and Scientific
 - iii) Nation, Nationalism and Internationalism (Rabindranath)
 - iv) Radical Humanism (Manabendranath Roy)

Recommended Texts :

- Krishna Roy : Political Philosophy : East and West
- P. B. Chattopadhyay : Social Philosophy
- Andrea Veltman : Social and Political Philosophy
- John Somarville & Ronald Santoni : Social and Political Philosophy

References:

- R. M. MacIver & C. H. Page : Society
- M. Ginsberg : Sociology
- Tom Bottomore : Sociology
- P. Gisbert : Fundamentals of Sociology

- F. Engles : Socialism : Utopian and Scientific
- Satyabrata Chakraborty : Bharatbarsha : Rastrabhabana
- Amal Kumar Mukhopadhyay : 'Secularism in the Present Indian Society' in Bulletin of the Ramkrishna Mission Institute of Culture, vols. LVII No. II
- D.E. Smith : Indian as A Secular State
- Amal Kumar Mukhopadhyay : Rastradarshaner Dhara
- D.R. Jatava : Social Philosophy of B.R. Ambedkar
- Sandip Das : Samaj O Rajnaitikdarshan
- Sailesh Kumar Bandyopadehyay : Gandhi Parikrama
- Bhikhu Parekh : Gandhi's Political Philosophy
- Samarendra Bhattacharya : Samajdarshan O Rastradarshan
- Sobhanlal Duttaguta : Marxiya Rastrachinta
- M.K. Gandhi : Hindswraj

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 12	Western Logic-II	Core Course	5 - 1 - 0	6	75

Recommended Topics:

1. Induction
2. Philosophy of Logic and Language : Meaning, Definition and Truth

Recommended Texts

- M. Copi, C. Cohen, P. Jetli & M. Prabhakar : Introduction to Logic (13th Edition) Chapters 11 to 14
- John Hospers : An Introduction to Philosophical Analysis (Chapters 1 & 2)

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
DSE- 1	Special Text: <i>Kaṭhōpaniṣad</i>	Discipline Specific Elective	5-1-0	6	75

Recommended Text and Topics:

- *Kaṭhōpaniṣad* (First Chapter : vallis – I, II and III)

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
DSE- 2	Special Text: B. Russell: <i>The Problems of Philosophy</i>	Discipline Specific Elective	5-1-0	6	75

Recommended Text and Topics:

- B. Russell: *The Problems of Philosophy* (Chapters- 1 to 6)

Semester- 6

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 13	Philosophy in the Twentieth Century: Indian	Core Course	5-1-0	6	75

Recommended Topics: Philosophical Thoughts of Rabindranath Tagore, Swami Vivekananda, Sri Aurobindo, S. Radhakrishnan, Md. Iqbal and Mahatma Gandhi

1. **Rabindranath Tagore:** (a) Nature of Man : The Finite Aspect of Man, the Infinite Aspect of Man, (b) Nature of Religion, and (c) Surplus in Man
2. **Swami Vivekananda:** (a) Practical Vedānta, (b) Universal Religion and (c) Yoga
3. **Sri Aurobindo:** (a) Nature of Reality, (b) Human Evolution – its different stages and (c) Integral Yoga
4. **S. Radhakrishnan:** (a) Nature of Man, (b) Nature of Religious Experience and (c) Nature of Intuitive Apprehension
5. **Md. Iqbal:** (a) Nature of the Self, (b) Nature of the World and (c) Nature of God
6. **Mahatma Gandhi:** (a) God and Truth and (b) Ahimsa

Recommended Texts :

- B. K. Lal : Contemporary Indian Philosophy
- D. M. Dutta : Chief Currents of Contemporary Philosophy
- Binay Gopal Roy : Contemporary Indian Philosophers

References:

The Complete Works of Swami Vivekananda (vol. II), Adaita Ashram, Calcutta

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
CC- 14	Philosophy in the Twentieth Century: Western	Core Course	5 - 1 - 0	6	75

Suggested Topics: Philosophical Thoughts of G.E. Moore, B. Russell, A.J. Ayer, M. Heidegger and J.P. Sartre

1. **G.E. Moore:** A Defence of Common Sense
2. **B. Russell:** Knowledge by Acquaintance and Knowledge by Description
3. **L. Wittgenstein:** Theory of Meaning
4. **A.J. Ayer:** Verifiability Theory of Meaning
5. **M. Heidegger:** (a) Being in the World : Existenz, Facticity and Fallenness and (b) Authenticity and Inauthenticity
6. **J.P. Sartre:** (a) Nothingness and (b) Freedom

Recommended Texts

- A.J. Ayer : Philosophy in the Twentieth Century
- B. Russell: The Problems of Philosophy

References:

- A.J. Ayer : Language Truth and Logic

- A.J.Ayer : The Central Questions of Philosophy
- Mrinal Kanti Bhadra : A Critical Survey of Phenomenology and Existentialism
- F. Copleston : Contemporary Philosophy
- J. Passmore : Recent Philosophers, A Hundred Years of Philosophy
- Somnath Chakraborty : Prasanga : Darsana Jignasa
- Debika Saha : Darshaner Samasyabali
- Debabrata Sinha : Phenomenology and Existentialism : An Introduction
- M.K.Bhadra : Astibad O Manabatabad
- Dr. Sanjib Ghosh : Pratibhashvignyan O Astivad
- Swapan Sarkar : Astibadidarshan O prativashvignyan
- Amit Sen : Binsha Shatabdir Bishleshani Darshana
- Blackham: Six Existentialist Thinkers

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
DSE- 3	Special Text: Rabindranath Tagore: <i>Sadhana</i>	Discipline Specific Elective	5 - 1 - 0	6	75

Suggested Text and Topics:

- Rabindranath Tagore: *Sadhana* (Lectures- 1 to 5)

References:

Kamalika Roy: Rabindranath Sadhana Bakritamala- Ekti Darshanik Biksha, Karigar, 1912

Course Code	Course Title	Course Type	L - T - P	Credit	Marks
DSE- 4	Special Text: Hume: <i>An Enquiry Concerning Human Understanding</i>	Discipline Specific Elective	5 - 1 - 0	6	75

Suggested Text and Topics:

- Hume: *An Enquiry Concerning Human Understanding* (1,2,3,4,5 &7)

The University of Burdwan



Syllabus for B.A. / B.Sc. (Hons.)

in

Geography

under Semester with

Choice Based Credit System

w.e.f. 2017- 2018

COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM FOR BA/B.Sc. HONOURS IN GEOGRAPHY

Semester-wise course structure

YEAR	SEMESTER	CORE COURSE (CC) (14)	ABILITY ENHANCEMENT COURSE (AECC) (2)	SKILL ENHANCEMENT COURSE (SEC) (2)	DISCIPLINE SPECIFIC ELECTIVE (DSE) (4)	GENERIC ELECTIVE (GE) (4)
FIRST YEAR	I	CC-1. GEOTECTONICS AND GEOMORPHOLOGY CC-2. Cartographic Techniques and Geological Map study	ENVIRONMENTAL STUDIES			GE-1 (Any discipline other than Geography)
	II	CC-3. HUMAN GEOGRAPHY CC-4. CARTOGRAMS AND THEMATIC MAPPING	COMMUNICATIVE ENGLISH/MIL			GE-2 (Any discipline other than Geography)
SECOND YEAR	III	CC-5. CLIMATOLOGY CC-6. STATISTICAL METHODS IN GEOGRAPHY CC-7. GEOGRAPHY OF INDIA		SEC-1. COMPUTER BASICS AND COMPUTER APPLICATIONS OR REMOTE SENSING		GE-3 (Any discipline other than Geography)
	IV	CC-8. REGIONAL PLANNING AND DEVELOPMENT CC-9. ECONOMIC GEOGRAPHY CC-10. ENVIRONMENTAL GEOGRAPHY		SEC-II ADVANCED SPATIAL STATISTICAL TECHNIQUES OR FIELD WORK		GE-4 (Any discipline other than Geography)
THIRD YEAR	V	CC-11. RESEARCH METHODOLOGY AND FIELD WORK CC-12. REMOTE SENSING AND GIS			DSE – 1 URBAN GEOGRAPHY OR CULTURAL AND SETTLEMENT GEOGRAPHY DSE – 2 POPULATION GEOGRAPHY OR SOCIAL GEOGRAPHY	
	VI	CC-13. EVOLUTION OF GEOGRAPHICAL THOUGHTS CC-14. DISASTER MANAGEMENT			DSE – 3 FLUVIAL GEOMORPHOLOGY OR RESOURCE GEOGRAPHY DSE – 4 SOIL AND BIO GEOGRAPHY OR AGRICULTURAL GEOGRAPHY	

COURSE STRUCTURE UNDER CHOICE BASED CREDIT SYSTEM FOR B.A/B.Sc. HONOURS IN
GEOGRAPHY

Semester-wise distribution of Credits and marks

SEMESTER	COURSE OPTED	COURSE NAME	CREDIT	MARKS			NO. OF HOURS L-T-P (PER WEEK)
				IA	ESE	TOTAL	
I	ABILITY ENHANCEMENT: COMPULSORY COURSE - I	ENVIRONMENTAL STUDIES	4		100	100	
	CORE COURSE (CC 1)	GEOTECTONICS AND GEOMORPHOLOGY	6	15	60	75	5-1-0
	CORE COURSE (CC2)	CARTOGRAPHIC TECHNIQUES AND GEOLOGICAL MAP STUDY	4	15	40	75	4-0-0
			2		20		0-0-4
	GENERIC ELECTIVE (GE1)	ANY DISCIPLINE OTHER THAN GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			22		325		
II	ABILITY ENHANCEMENT: COMPULSORY COURSE - II	COMMUNICATIVE ENGLISH/ MIL	2		50	50	
	CORE COURSE (CC3)	HUMAN GEOGRAPHY	6	15	60	75	5-1-0
	CORE COURSE (CC4)	CARTOGRAMS, SURVEY AND THEMATIC MAPPING	4	15	40	75	4-0-0
			2		20		0-0-4
	GENERIC ELECTIVE (GE2)	ANY DISCIPLINE OTHER THAN GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			20		275		
III	CORE COURSE (CC5)	CLIMATOLOGY	6	15	60	75	5-1-0
	CORE COURSE (CC6)	STATISTICAL METHODS IN GEOGRAPHY	4	15	40	75	4-0-0
			2		20		0-0-4
	CORE COURSE (CC7)	GEOGRAPHY OF INDIA	6	15	60	75	5-1-0
	SKILL ENHANCEMENT COURSE (SEC1)	SEC- 1 (COMPUTER BASICS AND COMPUTER APPLICATIONS OR REMOTE SENSING)	2	10	40	50	0-0-4
	GENERIC ELECTIVE (GE3)	ANY DISCIPLINE OTHER THAN GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			26		350		
IV	CORE COURSE (CC8)	REGIONAL PLANNING AND DEVELOPMENT	6	15	60	75	5-1-0
	CORE COURSE (CC9)	ECONOMIC GEOGRAPHY	6	15	60	75	5-1-0
	CORE COURSE (CC10)	ENVIRONMENTAL GEOGRAPHY	4	15	40	75	4-0-0
			2		20		0-0-4
	SKILL ENHANCEMENT COURSE (SEC2)	SEC- 2 ADVANCED SPATIAL STATISTICAL TECHNIQUES OR FIELD WORK	2	10	40	50	0-0-4
	GENERIC ELECTIVE (GE4)	ANY DISCIPLINE OTHER THAN GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			26		350		

SEMESTER	COURSE OPTED	COURSE NAME	CREDIT	MARKS			NO. OF HOURS L-T-P (PER WEEK)
				IA	ESE	TOTAL	
V	CORE COURSE (CC11)	RESEARCH METHODOLOGY AND FIELD WORK	4	15	40	75	4-0-0
			2		20		0-0-4
	CORE COURSE (CC12)	REMOTE SENSING AND GIS	4	15	40	75	4-0-0
			2		20		0-0-4
	DISCIPLINE SPECIFIC ELECTIVE (DSE)	DSE – 1 URBAN GEOGRAPHY OR CULTURAL AND SETTLEMENT GEOGRAPHY	6	15	60	75	5-1-0
	DISCIPLINE SPECIFIC ELECTIVE (DSE)	DSE 2 POPULATION GEOGRAPHY OR SOCIAL GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			24		300		
VI	CORE COURSE (CC13)	EVOLUTION OF GEOGRAPHICAL THOUGHTS	6	15	60	75	5-1-0
			4		40		4-0-0
	CORE COURSE (CC14)	DISASTER MANAGEMENT	2	15	20	75	0-0-4
			6		60		5-1-0
	DISCIPLINE SPECIFIC ELECTIVE(DSE3)	DSE – 3 FLUVIAL GEOMORPHOLOGY OR RESOURCE GEOGRAPHY	6	15	60	75	5-1-0
	DISCIPLINE SPECIFIC ELECTIVE(DSE4)	DSE – 4 SOIL AND BIO GEOGRAPHY OR AGRICULTURAL GEOGRAPHY	6	15	60	75	5-1-0
TOTAL			24		300		
TOTAL OF ALL SEMESTERS			142		1900		

*L-T-P = LECTURE-TUTORIAL-PRACTICAL

B.A./B.Sc. (Honours) in Geography

CC1 - Geotectonics and Geomorphology

6 Credits

Unit 1: Geotectonics

1. Earth's tectonic and structural evolution with reference to geological time scale
2. Earth's interior with special reference to seismology.
3. Concept of Isostasy: Theories of Airy and Pratt
4. Plate Tectonics: Processes at constructive, conservative, destructive boundaries and hotspots: resulting landforms

Unit 2: Geomorphology

1. Degradational processes: Weathering, mass wasting and resultant landforms
2. Models of landscape evolution: Views of Davis, Penck, and Hack
3. Slope Development: Concept of Wood
4. Development of river network and landforms on uniclinal and folded structures
5. Types of rocks, mineralogical composition of igneous rocks; Landforms on igneous rocks with special reference to Granite and Basalt
6. Karst landforms: Surface and sub-surface
7. Glacial and fluvio-glacial processes and landforms
8. Aeolian and fluvio-aeolian processes and landforms.

Reference Books

- Bloom A. L., 2001: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, Prentice-Hall of India, New Delhi
- Bridges E. M., 1990: World Geomorphology, Cambridge University Press, Cambridge.
- Christopherson, Robert W., (2011), Geosystems: An Introduction to Physical Geography, 8 Ed., Macmillan Publishing Company
- Kale V. S. and Gupta A., 2001: Introduction to Geomorphology, Orient Longman, Hyderabad.
- Knighton A. D., 1984: Fluvial Forms and Processes, Edward Arnold Publishers, London.
- Selby, M.J., (2005), Earth's Changing Surface, Indian Edition, OUP
- Skinner, Brian J. and Stephen C. Porter (2000), The Dynamic Earth: An Introduction to physical Geology, 4th Edition, John Wiley and Sons
- Thornbury W. D., 1969: Principles of Geomorphology, Wiley.

CC2 (Theory) – Cartographic Techniques and Geological map study 4 Credits

1. Maps: Classification and Types. Components of a Map
2. Concept of Scales: Plain, Comparative, Diagonal and Vernier
3. Coordinate Systems: Polar and Rectangular. Concept of Geoid and Spheroid. Map Projections: Classification, Properties and Uses. Concept and Significance of UTM Projection
4. Concept of Generating Globe, Grids: Angular and Linear Systems of Measurement

5. Survey of India Topographical Maps: Reference scheme of Old and Open series
6. Delineation of Drainage Basin from Survey of India Topographical Map. Concept of Relief, Slope and Stream Order.
7. Types of rocks and minerals. Characteristics of Granite, Basalt, Dolerite, Pegmatite, Gneiss, Shale, Sandstone, Slate, Marble, Quartzite, Quartz, Feldspar, Mica, Limestone, Calcite, Bauxite, Magnetite, Hematite, Galena
8. Concept of Bedding Plane, Unconformity and Non-conformity, thickness of Bed, Dip, Throw, Hade, heave

CC2 (Practical) – Cartographic Techniques and Geological map study 2 Credits

1. Construction of Scales: Plain, Comparative, Diagonal and Vernier
2. Construction of Projections: Polar Zenithal Stereographic, Simple Conic with two Standard Parallels, Bonne's and Mercator's
3. Construction and Interpretation of Relief Profiles (Superimposed, Projected and Composite), Preparation of Relative Relief Map, Slope map (Wentworth), and Stream Ordering (Strahler) on a Drainage Basin.
4. Geological Map (Problems related to Horizontal, Uniclinal, Folded and Faulted structure); Drawing of Geological section and Interpretation of the Map.

*A Project File, comprising one exercise each is to be submitted.

Reference Books

Anson R. and Ormelling F. J., 1994: International Cartographic Association: Basic Cartographic Vol. Pregmen Press.
 Gupta K.K. and Tyagi, V. C., 1992: Working with Map, Survey of India, DST, New Delhi.
 Mishra R.P. and Ramesh, A., 1989: Fundamentals of Cartography, Concept, New Delhi
 Monkhouse F. J. and Wilkinson H. R., 1973: Maps and Diagrams, Methuen, London.
 Robinson A. H., 2009: Elements of Cartography, John Wiley and Sons, New York
 Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
 Sarkar, A. 2015: Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

CC3 (Theory) – Human Geography

6 Credits

Unit 1: Nature and Principles

1. Nature, scope and recent trends of Human Geography
2. Evolution of humans, concept of race and ethnicity; Major Racial Groups of the world
3. Space, society and cultural regions (language and religion)
4. Concept of Culture, Cultural Diffusion, Convergence, Cultural Realms of the world

Unit 2: Society, Demography and Ekistics

1. Evolution of human societies: Hunting and gathering, Pastoral nomadism, Subsistence farming, Industrial and urban societies
2. Human - environment relations with special reference to Arctic and hot desert regions

3. Population growth and distribution, population composition; demographic transition model
4. Population–Resource regions
5. Human, population and environment relations with special reference to development– environmentconflict
6. Social morphology and rural house types in India
7. Types and patterns of rural settlements
8. Functional Classification of urban settlements

Reference Books

Bergman, E.F (1995): Human Geography-Culture, Connections and Landscape, Prentice Hall, New Jersey
 Chisholm. (1975): Human Geography, Penguin Books, Hermondsworth.

Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
 Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
 Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.

Pearce D. (1995): Tourism Today: A Geographical Analysis, 2nd edition, Longman Scientific & Technical, London

Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.

Raw, M. (1986): Understanding Human Geography: A Practical Approach, Bell and Hyman. London

Rubenstein, J.M. (2002), The Cultural Landscape, 7th edition, Prentice Hall, Englewood Cliffs Smith

D M (1982): Human Geography: A Welfare Approach, Edward Arnold, London

CC4 (Theory) – Cartograms, Survey and Thematic Mapping

4 Credits

1. Concepts of Cartograms and Thematic Maps
2. Concept and utility of Isopleths and Choropleth,
3. Concept, utility, and interpretation of :Climograph, Hythergraph and Ergograph
4. Preparation and interpretation of demographic charts and diagrams (Age-Sex Pyramid)
5. Concepts of Bearing: magnetic and true, whole-circle and reduced
6. Basic concepts of surveying and survey equipments: Abneys Level, Clinometer
7. Basic concepts of surveying and survey equipments: Prismatic Compass, Dumpy Level, Transit Theodolite
8. Interpretation of Land use and land cover maps

CC4 (Practical) – Cartograms, Survey and Thematic Mapping

2 Credits

1. Diagrammatic representation of data: Star and Age-sex pyramid diagram, pie diagram
2. Representation of data on map by proportional circles, dots and spheres, isolines and Choropleth method.
3. Contouring by Dumpy Level and Prismatic Compass

4. Determination of Height of objects using Transit Theodolite (Accessible and Inaccessible bases)

*A Project File, comprising one exercise each is to be submitted

Reference Books

- Cuff J. D. and Mattson M. T., 1982: Thematic Maps: Their Design and Production, Methuen Young Books
Dent B. D., Torguson J. S., and Holder T. W., 2008: Cartography: Thematic Map Design (6th Edition), Mcgraw-Hill Higher Education
Gupta K. K. and Tyagi V. C., 1992: Working with Maps, Survey of India, DST, New Delhi.
Kraak M.-J. and Ormeling F., 2003: Cartography: Visualization of Geo-Spatial Data, Prentice-Hall.
Mishra R. P. and Ramesh A., 1989: Fundamentals of Cartography, Concept, New Delhi.
Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers.
Slocum T. A., McMaster R. B. and Kessler F. C., 2008: Thematic Cartography and Geovisualization (3rd Edition), Prentice Hall.
Tyner J. A., 2010: Principles of Map Design, The Guilford Press.
Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan PrivateLtd., New Delhi

CC 5 (Theory) – Climatology

6 Credits

Unit 1: Elements of the Atmosphere

1. Nature, composition and layering of the atmosphere,
2. Insolation: controlling factors. Heat budget of the atmosphere.
3. Temperature: horizontal and vertical distribution. Inversion of temperature: types, causes and consequences.
4. Greenhouse effect and importance of ozone layer

Unit 2: Atmospheric Phenomena, Climate Change and Climatic Classification

1. Condensation: Processes and forms. Mechanism of precipitation: Bergeron-Findeisen theory, collision and coalescence. Forms of precipitation.
2. Air mass: Typology, origin, characteristics and modification.
3. Fronts: warm and cold; frontogenesis and frontolysis.
4. Weather: stability and instability; barotropic and baroclinic conditions.
5. Circulation in the atmosphere: Planetary winds, jet stream and monsoons
6. Tropical and mid-latitude cyclones
7. Evidences and causes of climate change
8. Climatic classification after Köppen, Thornthwaite (1948)

Reference Books

- Barry R. G. and Carleton A. M., 2001: Synoptic and Dynamic Climatology, Routledge, UK.
Barry R. G. and Chorley R. J., 1998: Atmosphere, Weather and Climate, Routledge, New York.
Critchfield H. J., 1987: General Climatology, Prentice-Hall of India, New Delhi

Lutgens F. K., Tarbuck E. J. and Tasa D., 2009: *The Atmosphere: An Introduction to Meteorology*, Prentice-Hall, Englewood Cliffs, New Jersey.

Oliver J. E. and Hidore J. J., 2002: *Climatology: An Atmospheric Science*, Pearson Education, New Delhi.

Trewartha G. T. and Horne L. H., 1980: *An Introduction to Climate*, McGraw

CC 6 (Theory) – Statistical Methods in Geography

4 Credits

Unit 1

1. Importance and significance of Statistics in Geography. Discrete and continuous data, population and samples, scales of measurement (nominal, ordinal, interval and ratio), sources of data
2. Collection of data and formation of statistical tables
3. Sampling: Need, types, and significance and methods of random sampling
4. Distribution: frequency, cumulative frequency

Unit 2

1. Central tendency: Mean, median, mode, partition values
2. Measures of dispersion range, mean deviation, standard deviation, coefficient of variation
3. Association and correlation: Rank correlation, product moment correlation
4. Linear Regression and time series analysis

CC 6 (Practical) – Statistical Methods in Geography

2 Credits

1. Construction of data matrix with each row representing an aerial unit (districts / blocks / mouzas / towns) and corresponding columns of relevant attributes.
2. Based on the above, a frequency table, measures of central tendency and dispersion would be computed and interpreted.
3. Histograms and frequency curve would be prepared on the dataset.
4. Based on of the sample set and using two relevant attributes, a scatter diagram and regression line would be plotted and residual from regression would be mapped with a short interpretation.

*A Project File, comprising one exercise each is to be submitted

Reference Books

Berry B. J. L. and Marble D. F. (eds.): *Spatial Analysis – A Reader in Geography*.

Ebdon D., 1977: *Statistics in Geography: A Practical Approach*.

Hammond P. and McCullagh P. S., 1978: *Quantitative Techniques in Geography: An Introduction*, Oxford University Press.

King L. S., 1969: *Statistical Analysis in Geography*, Prentice-Hall.

Mahmood A., 1977: *Statistical Methods in Geographical Studies*, Concept.

Pal S. K., 1998: *Statistics for Geoscientists*, Tata McGraw Hill, New Delhi.

Sarkar, A. (2013) *Quantitative geography: techniques and presentations*. Orient Black Swan Private Ltd., New Delhi

Silk J., 1979: *Statistical Concepts in Geography*, Allen and Unwin, London.

Spiegel M. R.: *Statistics*, Schaum's Outline Series.

Yeats M., 1974: *An Introduction to Quantitative Analysis in Human Geography*, McGraw Hill, New York.

CC 7 – Geography of India

6 Credits

Unit 1: Geography of India

1. Geology and physiographic divisions
2. Climate, soil and vegetation: Characteristics and classification
3. Population: Distribution, growth, structure and policy
4. Distribution of population by race, caste, religion, language, tribes
5. Agricultural regions, Green revolution and its consequences
6. Mineral and power resources distribution and utilisation of iron ore, coal, petroleum
7. Industrial development since independence.
8. Regionalisation of India: Views of Spate and Bhatt.

Unit 2: Geography of West Bengal

1. Physical perspectives: Physiographic divisions, forest and water resources
2. Population: Growth, distribution and human development
3. Resources: Mining, agriculture and industries
4. Regional Development: Darjeeling Hills and Sundarban

Reference Books

- Deshpande C. D., 1992: India: A Regional Interpretation, ICSSR, New Delhi.
- Johnson, B. L. C., ed. 2001. Geographical Dictionary of India. Vision Books, New Delhi.
- Mandal R. B. (ed.), 1990: Patterns of Regional Geography – An International Perspective. Vol. 3 – Indian Perspective.
- Sdyasuk Galina and P Sengupta (1967): Economic Regionalisation of India, Census of India
- Sharma, T. C. 2003: India - Economic and Commercial Geography. Vikas Publ., New Delhi.
- Singh R. L., 1971: India: A Regional Geography, National Geographical Society of India.
- Singh, Jagdish 2003: India - A Comprehensive & Systematic Geography, GyanodayaPrakashan, Gorakhpur.
- Spate O. H. K. and Learmonth A. T. A., 1967: India and Pakistan: A General and Regional Geography, Methuen.
- Tirtha, Ranjit 2002: Geography of India, RawatPubl., Jaipur & New Delhi
- Pathak, C. R. 2003: Spatial Structure and Processes of Development in India. Regional Science Assoc., Kolkata.
- Tiwari, R.C. (2007) Geography of India. PrayagPustakBhawan, Allahabad
- Sharma, T.C. (2013) Economic Geography of India. Rawat Publication, Jaipur

Generic Elective

For Students other than Geography Honours

GE 1. Geomorphology and Cartography

Unit I: Geotectonics and Geomorphology (Theory)

Credits 4

1. Weathering: Types and related landforms.
2. Lithosphere – Internal Structure of Earth based on Seismic Evidence,
3. Plate Tectonics and its associated landforms

4. Landform development in arid regions
5. Landform development in glaciated regions.
6. Development of fluvial landforms
7. Fluvial Cycle of Erosion – Davis and Penck
8. Hydrological Cycle and ground water.

Reading List

1. Conserva H. T., 2004: Illustrated Dictionary of Physical Geography, Author House, USA.
2. Gabler R. E., Petersen J. F. and Trapasso, L. M., 2007: Essentials of Physical Geography (8th Edition), Thompson, Brooks/Cole, USA.
3. Garrett N., 2000: Advanced Geography, Oxford University Press.
4. Goudie, A., 1984: The Nature of the Environment: An Advanced Physical Geography, Basil Blackwell Publishers, Oxford.
5. Hamblin, W. K., 1995: Earth's Dynamic System, Prentice Hall, N.J.
6. Husain M., 2002: Fundamentals of Physical Geography, Rawat Publications, and Jaipur.
7. Monkhouse, F. J. 2009: Principles of Physical Geography, Platinum Publishers, Kolkata.
8. Strahler A. N. and Strahler A. H., 2008: Modern Physical Geography, John Wiley & Sons, New York.

Unit II: Scale and Cartography (Practical)

Credits 2

1. Linear and Comparative scale
2. Proportional diagrams: Circles and squares
3. Composite bar diagram and age-sex pyramid.
4. Taylor's Climograph and Hythergraph

Reading List

1. Dent B. D., 1999: Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
2. Gupta K. K and Tyagi V. C., 1992: Working with Maps, Survey of India, DST, New Delhi.
3. Mishra R. P. and Ramesh A., 1989: Fundamentals of Cartography, Concept Publishing.
4. Robinson A., 1953: Elements of Cartography, John Wiley.
5. Sharma J. P., 2010: PrayogicBhugol, Rastogi Publishers.
6. Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers
7. Singh R. L., 1998: PrayogicBhoogolRooprekha, Kalyani Publications.
8. Steers J. A., 1965: An Introduction to the Study of Map Projections, University of London.

GE 2 – Physical Environment and Surveying

Unit I: Climatology, Soil and Biogeography (Theory)Credits 4

- 1. Elements of weather and climate. Thermal and chemical composition and layering of the atmosphere.**
- 2. Horizontal and vertical distribution of temperature**
3. Forms of precipitation and types of rainfall
4. Tropical and Temperate Cyclones, Climatic Classification (Koppen)
5. Definition of soil. Physical and chemical properties of soil (soil texture, colour and pH)
6. Soil forming factors. Soil formation (Podzol and Laterite)

7. Definition of Biosphere and Biogeography. Meaning of Ecology, Ecosystem.Environment, Ecotone, Communities, Habitats and Biotopes.
8. Biomes: Rainforest and Temperate Grassland.

Reference Books

- Barry R. G. and Carleton A. M., 2001: Synoptic and Dynamic Climatology, Routledge, UK.
 Barry R. G. and Chorley R. J., 1998: Atmosphere, Weather and Climate, Routledge, New York.
 Critchfield H. J., 1987: General Climatology, Prentice-Hall of India, New Delhi
 Lutgens F. K., Tarbuck E. J. and Tasa D., 2009: The Atmosphere: An Introduction to Meteorology, Prentice-Hall, Englewood Cliffs, New Jersey.
 Oliver J. E. and Hidore J. J., 2002: Climatology: An Atmospheric Science, Pearson Education, New Delhi.
 Trewartha G. T. and Horne L. H., 1980: An Introduction to Climate, McGraw

Unit II: Surveying and Levelling (Practical) Credits 2

1. Definition and classification of surveying
2. Plane table survey by radiation method.
3. Open and close traversing by Prismatic Compass
4. Drawing of longitudinal profile by Dumpy level

GE 3 – Human Geography and Map Study

Unit I: Human Geography (Theory) Credit4

1. Definition, Nature, Major Subfields, Contemporary Relevance
2. Space and Society: Cultural Regions; Race; Religion and Language
3. Eskimos: Adjustment to the environment and recent development
4. Population: Population Growth and Demographic Transition Theory
5. Types of population migration with reference to India
6. World Population Distribution and Composition (Age, Gender and Literacy)
7. Settlements: Types and Patterns of Rural Settlements;
8. Classification of Urban Settlements; Functional classification of towns

Reading List

1. Chandna, R.C. (2010) Population Geography, Kalyani Publisher.
2. Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
3. Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
4. Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
5. Kaushik, S.D. (2010) ManavBhugol, Rastogi Publication, Meerut.
6. Maurya, S.D. (2012) ManavBhugol, ShardaPustakBhawan. Allahabad.
7. Ghosh, S. (2015) Introduction to settlement geography. Orient Black Swan Private Ltd.,Kolkata
8. Hussain, Majid (2012) ManavBhugol. Rawat Publications, Jaipur

Unit II: Map Projection and Map interpretation (Practical) Credits 2

1. Simple Conical projection with one standard parallel

2. Cylindrical Equal Area projection
3. Interpretation of Topographical maps: Relation between Physiography, drainage and settlement
4. Interpretation of weather maps

Reading List

1. Dent B. D., 1999: Cartography: Thematic Map Design, (Vol. 1), McGraw Hill.
2. Gupta K. K and Tyagi V. C., 1992: Working with Maps, Survey of India, DST, New Delhi.
3. Mishra R. P. and Ramesh A., 1989: Fundamentals of Cartography, Concept Publishing.
4. Robinson A., 1953: Elements of Cartography, John Wiley.
5. Sharma J. P., 2010: PrayogicBhugol, Rastogi Publishers.
6. Singh R. L. and Singh R. P. B., 1999: Elements of Practical Geography, Kalyani Publishers
7. Steers J. A., 1965: An Introduction to the Study of Map Projections, University of London.

SEC 1 – Computer Basics and Computer Applications

2 Credits

1. Numbering Systems; Binary Arithmetic
2. Data Computation, Storing and Formatting in Spreadsheets: Computation of Rank, Mean, Median, Mode, Standard Deviation, Moving Averages, Derivation of Correlation, Covariance and regression; Selection of technique and interpretation.
3. Preparation of Annotated Diagrams and its interpretation: Scatter diagram and Histogram
4. Internet Surfing: Generation and extraction of information

Reference Books

- Bartee, Thomas C. (1977): Digital Computer Fundamental; McGraw Hill.
- Chauhan, S.; Chauhan, A. and Gupta, K. (2006): Fundamental of Computer; Firewall Media.
- Flake, L.J.; McClintock, C.E. and Turner, S. (1989): Fundamental of Computer Education; Wordsworth Pub. Co.
- Leon, A .and Leon,M.(1999): Introduction to Computer, USB Publishers’ Distributors Ltd.
- Malvino, A.P. and Leach, D.P. (1981): Digital Principles and Applications; Tata McGraw Hill.
- Mano, Moris M. and Kime, Charles R. (2004): Logic and Computer Design Fundamental; Prentice Hall.
- Rajaraman, V. (2003): Fundamentals of Computer, Prentice Hall Publisher
- Sarkar, A. and Gupta, S.K (2002) Elements of computer Science, S Chand and Company, New Delhi
- Blissmer (1996): Working with MS Word; Houghton Mifflin Co.
- Johnson, Steve (2007): Microsoft Power Point 2007; Pearson Paravia Bruno.
- Leon, A .and Leon,M.(1999): Introduction to Computer, USB Publishers’ Distributors Ltd.
- Leon, A. and Leon, M.(1999): A beginners Guide to Computers, Vikas
- Rajaraman, V. (2008): Computer Primer; Prentice Hall of India Pvt. Ltd.
- Sarkar, A. and Gupta, S.K (2002) Elements of computer Science, S Chand and Company, New Delhi
- Shepard, Aaron (2007): Perfect Pages; Shepard Publications. Tyson, Herbert L. (2007): Microsoft Word 2007 bible; John Wiley.
- Walkenbach, John (2007): Excel 2007 Bible; John Wiley.

OR

SEC 1 – Remote Sensing

2 Credits

1. Concepts and Principles of Remote Sensing (RS): Classification of RS satellites and sensors
2. Sensor resolutions and their application with reference to IRS and Landsat missions, image referencing schemes and data acquisition.
3. Preparation of False Colour Composites from IRS LISS-3 and Landsat TM. Principles of image rectification and enhancement.
4. Principles of image interpretation and feature extraction, Preparation of inventories of land use land cover features from satellite images.

A project file consisting of four exercises on the above themes is to be submitted

Reference Books

Bhatta, B. 2008. Remote Sensing and GIS, Oxford University Press, New Delhi.

Campbell J. B., 2007: Introduction to Remote Sensing, Guildford Press

Jensen, J. R. (2005) Introductory Digital Image Processing: A Remote Sensing Perspective, Pearson Prentice-Hall.

Joseph, G. 2005: Fundamentals of Remote Sensing, United Press India.

Lillesand T. M., Kiefer R. W. and Chipman J. W., 2004: Remote Sensing and Image Interpretation, Wiley. (Wiley Student Edition).

Li, Z., Chen, J. and Batsavias, E. (2008) Advances in Photogrammetry, Remote Sensing and Spatial Information Sciences CRC Press, Taylor and Francis, London

Mukherjee, S. (2004) Textbook of Environmental Remote Sensing, Macmillan, Delhi.

Nag P. and Kudra, M., 1998: Digital Remote Sensing, Concept, New Delhi.

Singh R. B. and Murai S., 1998: Space-informatics for Sustainable Development, Oxford and IBH Pub.

Syllabus for B.A./B.Sc. (Honours) in Geography Semester IV

Core Course (CC)	Skill Enhancement Course (SEC)	Generic Elective (GE)
CC-8 (Theory) REGIONAL PLANNING AND DEVELOPMENT	SEC -2 (Practical) ADVANCED SPATIAL STATISTICAL TECHNIQUES	GE4 (Any Discipline other than Geography)
CC-9 (Theory) ECONOMIC GEOGRAPHY	OR	
CC-10 (Theory) ENVIRONMENTAL GEOGRAPHY	SEC -2 (Practical)	
CC-10 (Practical) ENVIRONMENTAL GEOGRAPHY	FIELD WORK	

Semester - IV

CC8 (Theoretical) : REGIONAL PLANNING AND DEVELOPMENT Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05Marks, Total 20 Marks. Each question shall have at least two parts;
- 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks;Each question shall have at least two parts;
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

Unit 1: Regional Planning

1. Concept and Classification of Regions
2. Types of Planning; Principles and Techniques of Regional Planning
3. Need for Regional Planning; Multilevel Planning in India
4. Metropolitan Concept: Metropolis, Metropolitan Areas, Metropolitan Region

Unit 2: Regional Development

- 1.Development: Meaning, Growth versus Development
2. Models for Regional Development: Growth Pole (Perroux) and Core Periphery (Hirschman)
3. Model for Regional Development in India: Growth Foci (R.P.Misra)
4. Concept of Regional Inequality and Disparity
5. Human Development: Significance, Indicators and Measurement
6. Status of Regional Imbalances in India
7. Strategies for Regional Development in India
- 8.NITI Aayog and its Functions

References:

- Berry, B.J.L. and Horton, F.F. (1970): Geographic Perspectives on Urban Systems.Prentice Hall, New Jersey
- Bhat L.S. (1972): Regional Planning In India, Statistical Publishing Society
- Blij H. (1971): Geography: Regions and Concepts, John Wiley and Sons
- Chand,M and Puri, V.K. (1983): Regional planning In India, Allied publishers, New Delhi
- Claval P.L (1998): An Introduction to Regional Geography, Blackwell Publishers, Oxford and Massachusetts

- Dickinson, R.E. (1964): City and Region, Rutledge, London
- Friedmann J. and Alonso W. (1975): Regional Policy - Readings in Theory and Applications, MIT Press, Massachusetts
- Glasson John: An Introduction to regional planning, concepts, Theory and Practise
- Gore C. G.(1984): Regions in Question: Space, Development Theory and Regional Policy, Methuen, London
- Gore C. G., Köhler G., Reich U-P. and Ziesemer T., 1996: Questioning Development; Essays on the Theory, Policies and Practice of Development Intervention, Metropolis-Verlag, Marburg
- Hall, P. (1992): Urban and Regional Planning, Routledge, London
- Haynes J. (2008): Development Studies, Polity Short Introduction Series
- Johnson E. A. J.(1970): The Organization of Space in Developing Countries, MIT Press, Massachusett
- Kapila U, Indian Economy since Independence, 17th edition, 2016-2017
- Kulshetra, S.K (2012): Urban and Regional Planning in India: A hand book for Professional Practioners , Sage Publication, New Delhi
- Kundu, A. (1992): Urban Development Urban Research in India, Khanna Publ. New Delhi
- Misra , R.P, Sundaram K.V, PrakashRao , VLS (1974): Regional Development Planning in India , Vikas Publication , New Delhi
- Misra, R.P (1992): Regional Planning: Concepts, techniques, Policies and Case Studies, Concept, New Delhi
- Peet, R.(1999): Theories of Development, The Guilford Press, New York
- William Thomas, Christopher A.J.(2013): Rural development:concept and recent approaches,2013(for growth versus development, pp:1-4)

CC 9 (Theoretical) : ECONOMIC GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Total 20 Marks. Each question shall have at least two parts;
- 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks; Each question shall have at least two parts;
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

Unit 1: Concepts and Approaches

1. Meaning and Approaches to Economic Geography
2. Concepts in Economic Geography: Goods; Services; Production; Consumption
3. Factors Influencing Location of Economic Activity and Forces of Agglomeration
4. Determining Factors of Transport Cost

Unit 2: Economic Activities

1. Concept and Classification of Economic Activities
2. Location Theories: Von Thünen and Alfred Weber
3. Primary Activities: Subsistence and Commercial Agriculture; Forestry; Fishing
4. Secondary Activities: Manufacturing (Iron and Steel in India and Japan, Petrochemical in India and USA)
5. Tertiary Activities: Types of Trade and Services
6. Agricultural Systems: Tea Plantation in India and Mixed Farming in Europe
7. Highways: Roles in Economic Development of India since 1990s
8. International Trade Blocs: WTO and OPEC

Reference Books

- Alexander J. W., 1963: Economic Geography, Prentice-Hall Inc., Englewood Cliffs, New Jersey
- Coe N. M., Kelly P. F. and Yeung H. W., 2007: Economic Geography: A Contemporary Introduction, Wiley-Blackwell
- Hodder B. W. and Lee Roger, 1974: Economic Geography, Taylor and Francis Combes P., Mayer T. and Thisse J. F., 2008: Economic Geography: The Integration of Regions and Nations, Princeton University Press
- Wheeler J. O., 1998: Economic Geography, Wiley
- Durand L., 1961: Economic Geography, Crowell

CC 10 : ENVIRONMENTAL GEOGRAPHY Credit: 6 (4+2)

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Total 10 Marks. Each question shall have at least two parts;
- 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks. Each question shall have at least two parts.

Theoretical Credit 4 Total Marks: 40 End Term Examination Time: 2 hours

Environmental Issues

1. Geographers' Approach to Environmental Studies
2. Changes in Perception of Environment in different stages of Human Civilization
3. Ecosystem: Concept, Structure and Functions
4. Environmental Degradation and Pollution: Water and Air
5. Environmental Issues related to Agriculture
6. Urban Environmental issues related to Waste Management
7. Concept and Issues related to Bio-diversity
8. Environmental Programs and Policies on Forest and Wetland: National and Global

CC 10 (Practical) : ENVIRONMENTAL GEOGRAPHY Credit: 2

Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Total 10 Marks;
- Evaluation of Laboratory Note Book 5 Marks
- Viva-Voce 5 Marks

Environmental Geography (Practical)

1. Preparation of questionnaire for perception survey on environmental problems
 2. Environmental Impact Assessment: Leopold Matrix
 3. Quality assessment of soil using field kit: pH and NPK
 4. Interpretation of air quality using CPCB / WBPCB data
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks**

Reference Books

1. Chandna R. C., 2002. Environmental Geography. Kalyani, Ludhiana.
2. Cunningham W. P. and Cunningham M. A., 2004. Principals of environmental science: Inquiry and Applications. Tata Macgraw Hill, New Delhi.
3. Goudie A. 2001. The Nature of the Environment. Blackwell, Oxford.
4. Kormondy, Edward J.2012. Concepts of Ecology. PHI Learning Pvt. Ltd., New Delhi.

5. Miller G. T. 2004. Environmental Science: Working with the Earth, Thomson, Brooks Cole, Singapore.
6. MoEF, 2006. National Environmental Policy-2006. Ministry of Environment and Forests, Government of India.
7. Odum, E. P. et al. 2005. Fundamentals of Ecology. Cengage Learning, India.
8. Sharma, P.D. 2015. Ecology and Environment. Rastogi Publications, Meerut.
9. Singh, R.B. (Eds.) (2009) Biogeography and Biodiversity. Rawat Publication, Jaipur.
10. Singh, R.B. and Hietala, R. (Eds.) (2014) Livelihood security in Northwestern Himalaya: Case studies from changing socio-economic environments in Himachal Pradesh, India. Advances in Geographical and Environmental Studies. Springer.
11. Singh, S. 1997. Environmental Geography. PrayagPustakBhawan. Allahabad.
12. Singh, R.B. 1998. Ecological Techniques and Approaches to Vulnerable Environment. Oxford & IBH Pub, New Delhi.
13. UNEP, 2007. Global Environment Outlook: GEO4: Environment For Development. United Nations Environment Programme.
14. Basu, R. and Bhaduri, S. (Eds.). 2007. Contemporary Issues and Techniques in Geography. Progressive Publishers, Kolkata.
15. Gilpin, A. 1994. Environmental Impact Assessment: Cutting Edge for the 21st Century (EIA: Cutting Edge for the Twenty-First Century. Cambridge University Press)

SEC -2 (Practical) : ADVANCED SPATIAL STATISTICAL TECHNIQUES Credit: 2
 Total Marks: 50{(30+ 10+10(5+5))} End Term Examination Time: 5 hours

Pattern of Setting Questions:

- 3 questions to be answered, each question carries 10 Marks, Total 30 Marks;
- Evaluation of Laboratory Note Book 5 Marks
- Viva-Voce 5 Marks
- Internal Assessment: 10 (Assessment 05 + 05) Marks

1. Concept of Probability and Normal Distribution and their Geographical Applications, Skewness (Pearson's Method)
2. Differences between Spatial and non-Spatial data, Nearest Neighbour Analysis

3. Correlation and Regression Analysis, t-test, Spearman's Rank Correlation, Product Moment Correlation; Linear Regression

4. Time Series Analysis; Smoothing time series by Least Square and/or Moving Average Method

**Analysis using MS Excel not earlier than 2007 Version, is to be practiced for Unit 3 and Unit 4*

- A Project File Consisting of Four Exercises on the above Themes is to be Submitted**

OR

SEC –2 (Practical) : FIELD WORK Credit: 2

Total Marks: 50 (20+ 15+5+(5+5)) End Term Examination Time: 5 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 10 Marks, Totalling 20 Marks;
- Evaluation of Field Report 15 Marks
- Viva-Voce 5 Marks
- Internal Assessment: 10 (Assessment 05 and Attendance 05) Marks

FIELDWORK

Students are required to carry out a comprehensive field work in a village/mouza/town/C.D. Block/ drainage basin selecting a particular **research problem**. There should be a clear-cut **Problem background, major Objectives, Methodology and Findings**. The text of the fieldwork should not exceed 5000 words and 15-20 pages of illustrations (A4 Pages). The fieldwork along with the diagrams and illustrations should be prepared in computer using the standard (Using MS-Word for typing and Excel for calculation and graphs). The cartographic and statistical techniques used in the fieldwork should be at par with the syllabus of the UG Course.

Guidelines for Fieldwork:

The following methods are to be followed for fieldwork:

- 1) Preparation of questionnaire for assessing the physical/cultural/environment/socio-economic components. A filled-in questionnaire used in the survey should be attached with the report signed by the concerned teacher and the student
- 2) Preparation of maps (hand-drawn) with suitable scale and latitude and longitude

- 3) Preparation of charts/graphs in MS-Excel and duly labelled
- 4) The report should be typed in MS-Word . The font size is fixed at 12 in Times New Roman and the line spacing 1.5
- 5) Each field work should have a certificate of authenticity duly signed by the project supervisor

GENERIC ELECTIVE [For other discipline(s)]

GE- 4 : ENVIRONMENTAL GEOGRAPHY Credit: 4

Theoretical : Credit: 4 Total Marks: 40 End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Total 20 Marks

1. Concepts and Approaches of Environmental Geography:
2. Concept, Structure and Functions of Ecosystem
3. Human-Environment Relationship in Mountain and Coastal Regions
4. Environmental Problems and Management: Air and Water Pollution
5. Environmental Programmes and Policies: MAB
6. Forest and Wild Life Policy of India
7. Environmental Movements in India: Chipko
8. Wetlands: Ramsar Sites in India

Reference

1. Casper J.K. (2010) Changing Ecosystems: Effects of Global Warming. Infobase Pub. New York.
2. Hudson, T. (2011) Living with Earth: An Introduction to Environmental Geology, PHI
3. Learning Private Limited, New Delhi.

4. Miller, G.T. (2007) Living in the Environment: Principles, Connections, and Solutions,
5. Brooks/ Cole Cengage Learning, Belmont.
6. Singh, R.B. (1993) Environmental Geography, Heritage Publishers, New Delhi.
7. UNEP (2007) Global Environment Outlook: GEO4: Environment For Development, United
8. Nations Environment Programme. University Press, Cambridge.
9. Wright R. T. and Boorse, D. F. (2010) Toward a Sustainable Future, PHI Learning Pvt Ltd,
10. New Delhi.
11. Singh, R.B. and Hietala, R. (Eds.) (2014) Livelihood security in Northwestern Himalaya:
12. Case studies from changing socio-economic environments in Himachal Pradesh,
13. India. Advances in Geographical and Environmental Studies, Springer

GE – 4 (Practical) : ENVIRONMENTAL GEOGRAPHY Credit: 2

Total Marks: 20 {10+ 10(5+5)}

End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Totalling 10 Marks;
- Evaluation of Laboratory Note Book 5 Marks
- Viva-Voce 5 Marks
 1. Questionnaire for Air Pollution and Health Perception Survey
 2. Soil Test using Kit : pH and Organic Carbon
 3. Mapping of Wetlands from Topographical Sheet
 4. Mapping of Forest from Topographical Sheet
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Syllabus for B.A./B.Sc. (Honours) in Geography Semester V

Core Course (CC)	Discipline Specific Elective (DSE)
CC-11 (Theory) RESEARCH METHODOLOGY AND FIELD WORK	DSE – 1
CC-11 (Practical) RESEARCH METHODOLOGY AND FIELD WORK	URBAN GEOGRAPHY OR CULTURAL AND SETTLEMENT GEOGRAPHY
CC-12 (Theory) REMOTE SENSING AND GIS	DSE – 2
CC-12 (Practical) REMOTE SENSING AND GIS	POPULATION GEOGRAPHY OR SOCIAL GEOGRAPHY

Semester - V

CC 11 : RESEARCH METHODOLOGY AND FIELD WORK

Credit: 6 (4+2)

Theoretical : Credit 4 Total Marks: 40

End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks. ;
- 2 questions to be answered out of 4, each question carries 05 Marks, Each question shall have at least two parts. Total 10 Mark.
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts; Total 20 Marks

Unit 1: Research Methodology

1. Research in Geography: Meaning, types and significance
2. Significance of Literature review in research
3. Defining research problem, objectives and hypothesis. Research materials and methods
4. Techniques of writing scientific reports: Preparing notes, references, bibliography (APA Style), abstract and keywords

Unit 2: Field Work

1. Fieldwork in Geographical studies – Role and significance. Selection of study area and objectives. Pre-field preparations. Ethics of fieldwork
2. Field techniques and tools: Questionnaires (open, closed, structured, non-structured). Interview with special reference to focused group discussions.
3. Field techniques and tools: Landscape survey using transects and quadrants, constructing a sketch, photo and video recording.
4. Collection of samples. Preparation of inventory from field data. Post-field tasks.

Reference Books

- ▶ Creswell J., 1994: Research Design: Qualitative and Quantitative Approaches Sage Publications.
- ▶ Dikshit, R. D. 2003. The Art and Science of Geography: Integrated Readings. Prentice-Hall of India, New Delhi.
- ▶ Evans M., 1988: “Participant Observation: The Researcher as Research Tool” in Qualitative Methods in Human Geography, eds. J. Eyles and D. Smith, Polity.
- ▶ Mukherjee, Neela 2002. Participatory Learning and Action: with 100 Field Methods.

Concept Publs. Co., New Delhi

▶ Robinson A., 1998: "Thinking Straight and Writing That Way", in Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioural Sciences, eds. by F. Pryczak and R. Bruce Pryczak, Publishing: Los Angeles.

Page 27

▶ Special Issue on "Doing Fieldwork" The Geographical Review 91:1-2 (2001).

▶ Stoddard R. H., 1982: Field Techniques and Research Methods in Geography, Kendall/

Kothari, C. R. and Garg, G., 2018, Research Methodology, Methods and Techniques, New Age International Publication, New Delhi

CC 11 (Practical) : RESEARCH METHODOLOGY AND FIELD WORK

Credit: 2 Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Total 10 Marks;
- Evaluation of Field work: 5
- Viva-Voce 5 Marks

1. Students will prepare a field report based on primary data collected from field survey and secondary data collected from different sources for either a rural area (mouza) or an urban area (municipal ward) based on cadastral or municipal maps to study specific problems

2. The report should be typed in MS-Word in English language on A4 size paper in candidate's own words within 2500 words. The total number of pages in the Field Report should not exceed 25 pages including texts, figures, tables, photographs, maps, references (APA) and appendices

3. A copy of the bound report, duly signed by the concerned teacher, should be submitted

4. Preparation of maps (hand-drawn) with suitable scale and latitude and longitude

5. Preparation of charts/graphs in MS-Excel and duly labelled

6. The report should be typed in MS-Word. The font size is fixed at 12 in Times New Roman and the line spacing 1.5

- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks**

Reference Books

1. Monkhouse, F.J. and Williamson, R.H. (1963): Maps and Diagrams: Their Compilation and Construction, Methuen, London
2. Saha, P.K. and Basu, P. (2009): Advanced Practical Geography, Books and Allied (P) Ltd., Kolkata
3. Sarkar, A. (2008): Practical Geography: A Systematic Approach, Orient Black Swan, Kolkata
4. NarasinhaMurthy , R.L. (2014) Research Methodology in Geography , Concept , New Delhi
5. Yeates M., 1974: An Introduction to Quantitative Analysis in Human Geography.

CC 12 : REMOTE SENSING AND GIS

Credit: 6(4+2)

Theoretical : Credit 4 Total Marks: 40 End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Each question shall have at least two parts. Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks

Unit 1: Remote Sensing

1. Definition, Concepts and Principles of Remote Sensing (RS): Types of Air Photo, RS satellites, sensors and platforms.
2. EMR Interaction with Atmosphere and Earth Surface, Sensor resolutions and their applications with reference to IRS.
3. Principles of False Colour Composites (FCC) from IRS LISS-III and Landsat Images (ETM+) data: Image Processing, Pre-processing; Enhancement; Classification.
4. Principles of image interpretation for Forest, Water and Soil

Unit 2: GIS and GNSS

1. Definition and Components of Geographical Information System (GIS) and raster and vector data structures
2. Principles of preparing attribute tables and overlay analysis
3. Principles of GNSS positioning - Uses and Waypoint Collection Methods
4. Applications of Geographical Information System in Flood Management and Urban Sprawl

CC 12 (Practical) : REMOTE SENSING AND GIS

Credit: 2 Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Totalling 10 Marks;
- Evaluation of Laboratory Note Book: 5
- Viva-Voce 5 Marks

Note: QGIS version 3.0 or above to be used

1. Georeferencing of Scanned Maps
 2. Preparation of FCC using IRS LISS-III and/or Landsat (ETM+) data
 3. Preparation of LULC Map by Supervised Image Classification (Maximum Likelihood) using IRS LISS-III or Landsat (ETM+) data
 4. Digitisation of Point, Line and Polygon Features and Preparation of Thematic Map (using bar, pie and choropleth method)
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks**

Reference Books

1. Campbell J. B., 2007: Introduction to Remote Sensing, Guildford Press.
2. Jensen J. R., 2004: Introductory Digital Image Processing: A Remote Sensing Perspective, Prentice Hall.
3. Joseph, G. 2005: Fundamentals of Remote Sensing, United Press India.
4. Lillesand T. M., Kiefer R. W. and Chipman J. W., 2004: Remote Sensing and Image Interpretation, Wiley. (Wiley Student Edition).
5. Nag P. and Kudra, M., 1998: Digital Remote Sensing, Concept, New Delhi.
6. Rees W. G., 2001: Physical Principles of Remote Sensing, Cambridge University Press.
7. Singh R. B. and Murai S., 1998: Space-informatics for Sustainable Development, Oxford and IBH Pub.
8. Wolf P. R. and Dewitt B. A., 2000: Elements of Photogrammetry: With Applications in GIS, McGraw- Hill.
9. Sarkar, A. (2015) Practical geography: A systematic approach. Orient Black Swan Private Ltd., New Delhi

DSE-1 (Theoretical) : URBAN GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Each question shall have at least two parts. Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

Unit-1

1. Urban Geography: Nature, Scope and Approaches
2. Development of Urban Geography and its Recent Trends
3. Urban Economy: Basic and Non-Basic Concepts
4. Concept of Settlement Hierarchy; Christaller's Central Place Theory
5. Rank Size Rule; Concept of Primate City
6. Theories of City Structure: Concentric Zone Theory, Sector Theory and Multiple Nuclei Theory

Unit-2

7. Ecological Processes of Urban Growth
8. City Region: Concept, Structure and Characteristics
9. Patterns and Trends of Urbanization in India
10. Major Urban Issues in Mega Cities of India
11. Policies on Urbanization in India: After 1990s
12. Characteristics of Urbanisation in Developed and Developing Countries

References

- Fyfe N. R. and Kenny J. T., 2005: The Urban Geography Reader, Routledge.
- Graham S. and Marvin S., 2001: Splintering Urbanism: Networked Infrastructures, Technological Mobility and the Urban Condition, Routledge.
- Hall T., 2006: Urban Geography, Taylor and Francis.

- Kaplan D. H., Wheeler J. O. and Holloway S. R., 2008: Urban Geography, John Wiley.
- Knox P. L. and McCarthy L., 2005: Urbanization: An Introduction to Urban Geography, Pearson Prentice Hall New York.
- Knox P. L. and Pinch S., 2006: Urban Social Geography: An Introduction, Prentice-Hall.
- Mahala.O.M.,Urban Governance in india, emerging challenges in Liberalised Era,2011
- Pacione M., 2009: Urban Geography: A Global Perspective, Taylor and Francis.

OR

DSE-1 (Theoretical) : CULTURAL AND SETTLEMENT GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks,Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks,Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit 1: Cultural Geography

1. Definition, Scope and Content of Cultural Geography
2. Development of Cultural Geography
3. Concept of Cultural Hearth, Realm; Cultural Landscape
4. Cultural Innovation and Diffusion; Diffusion of Major World Religions
- 5.Cultural Segregation, Cultural Diversity, and Acculturation
6. Major Races of the World: Distribution and Characteristics

Unit 2: Settlement Geography

1. Scope and Content of Settlement Geography
2. Definition and Characteristics of Rural Settlement
3. Rural Settlements: Site and Situation
4. Urban Settlements:Census Definition, Urban Outgrowth, Urban Agglomeration
5. Urban Morphology: Classical Models of Burgess, Hoyt, Harris and Ullman
6. Functional Classification of Cities: Harris and Nelson

Reference:

- Bergman, E.F (1995): Human Geography-Culture, Connections and Landscape, Prentice Hall, New Jersey
- Chisholm. (1975): Human Geography, Penguin Books, Hermondsworth.
- Daniel, P.A. and Hopkinson, M.F. (1989) The Geography of Settlement, Oliver & Boyd, London.
- Johnston R; Gregory D, Pratt G. et al. (2008) The Dictionary of Human Geography, Blackwell Publication.
- Jordan-Bychkov et al. (2006) The Human Mosaic: A Thematic Introduction to Cultural Geography. W. H. Freeman and Company, New York.
- Pearce D. (1995): Tourism Today: A Geographical Analysis, 2nd edition, Longman Scientific & Technical, London
- Pickering K. and Owen A. A. (1997): An Introduction to Global Environmental Issues, 2nd edition Rutledge, London.
- Raw, M. (1986): Understanding Human Geography: A Practical Approach, Bell and Hyman. London
- Rubenstein, J.M. (2002), The Cultural Landscape, 7th edition, Prentice Hall, Englewood Cliffs
- Smith D M (1982): Human Geography: A Welfare Approach, Edward Arnold, London

DSE-2 (Theoretical) : POPULATION GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks. Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

Unit 1: (2 Credits)

1. Development of Population Geography; Relation between Population Geography and Demography
2. Determinants of Population Dynamics; Concept of Optimum Population
3. Theories of population growth: Malthusian Theory and Marxian Approach, Demographic Transition Model
4. Distribution, Density and Growth of Population in India since 1951

Unit 2 : (4 Credits)

1. Population Composition and Characteristics: Age-Sex; Female-Male Ratio
2. Measures of Fertility and Mortality
3. Population Composition of India: Rural and Urban, Occupational Structure as per Census of India
4. Migration: Theories, Causes and Types
5. Concept of Human Development Index
6. Population and development: population-resource regions,
7. Population policies in Selected Countries: Sweden and China
8. Contemporary Issues in Population: Health and Unemployment

OR

DSE-2 (Theoretical) : SOCIAL GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Totalling 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Social Geography: Nature, Scope and Content
2. Social Groups and Social Behaviour
3. Concept of Social Structure and Process
4. Elements of Social Structure: Caste, Class, Religion, Race
5. Social Stratification in India

6. Contemporary Social Issues in India: Gender and Old-age

Unit:2

1. Concept of Social Well-being, Quality of Life
2. Indicators of Social Well-being after Knox and Smith
3. Social Pathology: Crime and Violence
4. Social Area Analysis after Shevky and Bell
5. Social Impact Assessment (SIA): Concept and Importance
6. Social Policies in India: Sarva Shiksha Abhiyan and NRHM

Reference:

Ahmed A., 1999: Social Geography, Rawat Publications.

▶ Casino V. J. D., Jr., 2009) Social Geography: A Critical Introduction, Wiley Blackwell.

▶ Cater J. and Jones T., 2000: Social Geography: An Introduction to Contemporary Issues, Hodder Arnold.

▶ Holt L., 2011: Geographies of Children, Youth and Families: An International Perspective, Taylor & Francis.

▶ Panelli R., 2004: Social Geographies: From Difference to Action, Sage.

▶ Rachel P., Burke M., Fuller D., Gough J., Macfarlane R. and Mowl G., 2001:

Introducing Social Geographies, Oxford University Press.

▶ Smith D. M., 1977: Human geography: A Welfare Approach, Edward Arnold, and London.

▶ Smith D. M., 1994: Geography and Social Justice, Blackwell, Oxford

▶ Sopher, David (1980): An Exploration of India, Cornell University Press, Ithasa

▶ Valentine G., 2001: Social Geographies: Space and Society, Prentice Hall.

Syllabus for B.A./B.Sc. (Honours) in Geography Semester VI

Core Course (CC)	Discipline Specific Elective (DSE)
CC-13 (Theory) EVOLUTION OF GEOGRAPHICAL THOUGHT	DSE – 3 FLUVIAL GEOMORPHOLOGY
	OR RESOURCE GEOGRAPHY
CC-14 (Theory) DISASTER MANAGEMENT	DSE – 4 SOIL AND BIO GEOGRAPHY
	OR AGRICULTURAL GEOGRAPHY

Semester - VI

CC 13 (Theoretical) : EVOLUTION OF GEOGRAPHICAL THOUGHT Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Definition, Scope and Content of Geography; Geography as a Spatial Science
2. Geography in Ancient Period: Greek and Roman
3. Development of Geography in Medieval period: Arabian
4. Development of Mapping and Knowledge about the World Regional Geography in the Age of Explorations
5. Classical Geography in 19th Century: Humboldt, Ritter
6. Quantitative Revolution and its Critique

Unit: 2

1. German School of Thought
2. French School of Thought
3. American School of Thought
4. Indian Contribution to Geography
5. Concept of Determinism, Possibilism and Neo-Determinism
6. Approaches to the study of Geography: Systematic and Regional

References:

- Adhikari S. 1992, *Geographical Thought*. Chaitanya Pub. House. Allahabad.
- Binege. W. 1962, *Theoretical Geography*. Glenerp. London.
- Chorley. R.J. and Hagget. P. (eds) 1965, *Frontiers in Geographical Teaching*. OUP. Oxford.

- Dikshit. R.D. (eds) 1994, *The Art and Science of Geography: Selected Readings*. Prentice Hall India. New Delhi.
- Dunbar. G.S. (eds) 1991, *Modern Geography: An Encyclopaedic Survey*. St. James Press. Chicago.:
- Gregory D. and Walford. R. (eds) 1988, *Horizons in Human Geography*, Macmillan London.
- Hussain. M. 1995, *Evolution of Geographical Thought*, 3rd edition, Rawat Pub. Co., New Delhi.
- Johnston. R.J. Gregory. D. Prett. G and Watts. M. 2000, *The Dictionary of Human Geography*. 4th edition. Blackwell Pub. Ltd. London.
- Lahiri-Dutt, K. *BhugolChintarBikash*, World Press
- Matthews. J.A. and Herbert. J.A. 2004, *Unifying Geography: Common Heritage, Shared Future?* Routledge. London.
- Messy D. and Allen J. (eds) 1984, *Geography Matters: A Reader*, Cambridge University Press Cambridge.
- Peet. R. 1998, *Modern Geographical Thought*. Blackwell, London.
- Stoddart. D.R. 1986, *On Geography and its History*. Basil Blackwell, Oxford

CC 14 : DISASTER MANAGEMENT

Credit: 6 (4+2)

Theoretical : Credit 4 Total Marks: 40 End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 5 questions to be answered out of 8, each question carries 02 Marks, Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 05 Marks, Each question shall have at least two parts. Total 10 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks

Unit 1

1. Classification of hazards and disasters
2. Approaches to hazard study: Risk perception and vulnerability assessment. Hazard paradigms
3. Responses to hazards: Preparedness, trauma and aftermath. Resilience and capacity building
4. Hazards mapping: Data and techniques.

Unit 2

1. Earthquake: Factors, vulnerability, consequences and management
2. Landslide: Factors, vulnerability, consequences and management
3. Cyclone: Factors, vulnerability, consequences and management
4. Fire: Factors, vulnerability, consequences and management

References:

- Government of India. (1997) Vulnerability Atlas of India. New Delhi, Building Materials & Technology Promotion Council, Ministry of Urban Development, Government of India.
- Kapur, A. (2010) Vulnerable India: A Geographical Study of Disasters, Sage Publication, New Delhi.
- Modh, S. (2010) Managing Natural Disaster: Hydrological, Marine and Geological Disasters, Macmillan, Delhi.
- Singh, R.B. (2005) Risk Assessment and Vulnerability Analysis, IGNOU, New Delhi. Chapter 1, 2 and 3
- Singh, R. B. (ed.), (2006) Natural Hazards and Disaster Management: Vulnerability and Mitigation, Rawat Publications, New Delhi.
- Sinha, A. (2001). Disaster Management: Lessons Drawn and Strategies for Future, New United Press, New Delhi.
- Stoltman, J.P. et al. (2004) International Perspectives on Natural Disasters, Kluwer Academic Publications. Dordrecht.

CC 14 (Practical) : DISASTER MANAGEMENT

Credit: 2

Total Marks: 20 {10+ 10(5+5)} End Term Examination Time: 2 hours

Pattern of Setting Questions:

- 2 questions to be answered, each question carries 5 Marks, Totalling 10 Marks;
- Evaluation of Laboratory Note Book: 5
- Viva-Voce 5 Marks

Disaster Management Project Work

List of Practical

An individual Project Report based on any one among the following disasters incorporating preparedness, mitigation and management plan.

1. Earthquake
2. Landslide
3. Cyclone
4. Flood
5. Drought
6. River Bank Erosion
7. Mining Area Subsidence
8. Tsunami

1. Students will prepare a Project Report based on the topic mentioned by the Department;
2. The report should be typed in MS-Word in English language on A4 size paper in candidate's own words within 2000 words. The total number of pages in the Field Report should not exceed 20 pages including texts, figures, tables, photographs, maps, references (APA) and appendices
3. A copy of the bound report, duly signed by the concerned teacher, should be submitted
4. Preparation of maps with suitable scale and latitude and longitude
5. Preparation of charts/graphs in MS-Excel and duly labelled
6. The report should be typed in MS-Word. The font size is fixed at 12 in Times New Roman and the line spacing 1.5

Internal Assessment: 15 (Assessment 10 and Attendance 05) Marks

DSE - 3 (Theoretical) : FLUVIAL GEOMORPHOLOGY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts.Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks,Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Scope and Content of Fluvial Geomorphology
2. Run off Cycle: Components and Controlling Factors
3. Concepts of Overland flow, Constant of Channel Maintenance and Belt of No Erosion
4. Drainage Basin as a Hydrological and Geomorphic Unit

Unit: 2

1. Linear, Areal and Relief properties of Drainage Basin
2. Horton's Laws of Stream: Number, Length and Area
3. Fluvial Landforms: Terraces and Alluvial Fans

4. Riverbank Erosion Processes and Mechanisms
5. Adjustment of Channel Bed Forms to Hydrological Regime
6. Human Intervention on Fluvial Systems: Dams and Barrages
7. Concept of Watershed Management
8. DVC as a Watershed Planning Unit: Success and Failure

Reference:

- ▶ Bloom, A. L. 1998: Geomorphology: A Systematic Analysis of Late Cenozoic Landforms, 3rd Ed, Prentice Hall, Upper Saddle River, New Jersey
- ▶ Bridges, E. M., 1990: World Geomorphology, Cambridge University Press, Cambridge.
- ▶ Charlton, R. 2016: Fundamentals of Fluvial Geomorphology, 2nd Ed., Routledge, London
- ▶ Chorley, R., Schumm, S. and Sugden, D.E. 1994: Geomorphology, Methuen, London
- ▶ Chorley, R.J. and Kennedy, B.A. 1971: Physical Geography: A Systems Approach, Prentice Hall, Upper Saddle River, New Jersey
- ▶ Faniran, A. and Jeje, L.K. 1983: Humid Tropical Geomorphology, Longman, London
- ▶ Goudie, A.S. (ed) 2004: Encyclopaedia of Geomorphology, vol. 1 & 2, Routledge, London
- ▶ Gupta, A. 2011: Tropical Geomorphology, Cambridge University Press, Cambridge
- ▶ Gupta, A. (ed) 2008: Large Rivers, Wiley, New York
- ▶ Huggett, R.J. 2011: Fundamentals of Geomorphology, Routledge, New York

- ▶ Kale V.S. and Gupta A. 2001. Introduction to Geomorphology, Orient Longman, Hyderabad
- ▶ Knighton, D. 1998: Fluvial Forms and Processes: A New Perspective, Arnold, London
- ▶ Morisawa, M. 1985: Rivers, Longman, London
- ▶ Petts, G.E. and Amoros, C (eds). 1996: Fluvial Hydrosystems, Chapman and Hall, London
- ▶ Selby, M.J. 1985: Earth's Changing Surface, Oxford University Press, London

OR

DSE - 3 (Theoretical) : RESOURCE GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1

1. Resource Geography: Its Importance and relation with other sub-disciplines
2. Resource: Concept and Classification
3. Functional Theory of Resource
4. Problems of Resource Depletion with Special Reference to Forest, Water and Fossil Fuels
5. Resource Conservation : Principles and Methods
6. Concept of 'Limits to Growth'

Unit: 2

1. Distribution and Utilisation of Metallic Mineral Resources in Indian Context: Iron ore, Bauxite
2. Distribution and Utilisation of Non-Metallic Mineral Resources in Indian Context: Mica, Limestone
3. Distribution, Problems and Management of Energy Resources in Indian Context: Conventional (Coal) and Non-Conventional (Solar)
4. Power resources and problems with reference to Petroleum
5. Contemporary Energy Crisis and Future Scenario
6. Sustainable Resource Development

Reference:

- ▶ Cutter S. N., Renwich H. L. and Renwick W., 1991: Exploitation, Conservation, And Preservation: A Geographical Perspective on Natural Resources Use, John Wiley and Sons, New York.
- ▶ Gadgil M. and Guha R., 2005: The Use and Abuse of Nature: Incorporating This Fissured Land: An Ecological History of India and Ecology and Equity, Oxford University Press. USA.
- ▶ Holechek J. L. C., Richard A., Fisher J. T. and Valdez R., 2003: Natural Resources: Ecology, Economics and Policy, Prentice Hall, New Jersey.
- ▶ Jones G. and Hollier G., 1997: Resources, Society and Environmental Management, Paul Chapman, London.
- ▶ Klee G., 1991: Conservation of Natural Resources, Prentice Hall, Englewood.
- ▶ Mather A. S. and Chapman K., 1995: Environmental Resources, John Wiley and Sons, New York.
- ▶ Mitchell B., 1997: Resource and Environmental Management, Longman Harlow, England.
- ▶ Owen S. and Owen P. L., 1991: Environment, Resources and Conservation, Cambridge University Press, New York.
- ▶ Rees J., 1990: Natural Resources: Allocation, Economics and Policy, Routledge. London

DSE - 4 (Theoretical) : SOIL AND BIO GEOGRAPHY

Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit: 1: Soil Geography

1. Soil: Definition, Factors of Formation
2. Development and Characteristics of an ideal Soil Profile
3. Physical and Chemical Properties of Soil with special reference to Texture, Structure, Organic Carbon and pH
4. Concept of Zonal, Azonal and Intrazonal Soil; Formation and Profile
Characteristics of Laterite and Podsol
5. Classification of Soil : Russian and Indian (ICAR)
6. Soil Degradation and Management

Unit-2: Bio-Geography

1. Definition and Scope of Bio-geography, Meaning of Biosphere, Ecology, Ecosystem, Environment, Communities, Habitats, Niche, Ecotone and Biotopes
2. Biosphere and Energy: Laws of Energy Exchange, Food Chain, Food Web and Energy Flow
3. Bio-Geo Chemical Cycle: Carbon, Nitrogen
4. Factors of Plant Growth: Light, Heat, Moisture, Wind, Soil and Topography
5. Biomes – Concept and Classification; Tropical Rainforest and Temperate Grassland
6. Threat to Biodiversity- Causes, Consequences and Conservation

Reference

Soil Geography

- Biswas, T.D. and Mukherjee, S.K. 1987, *Text book of Soil Science*. Tata-McGraw-Hill.
- Brady. N.C. and Weil. R.R. 1996, *The Nature and Properties of Soil*. 11th edition. Longman. London.
- Floth. H.D. 1990, *Fundamentals of Soil Science*, 8th edition. John Wiley and Sons. New York.
- Morgan. R.P.C. 1995, *Soil Erosion and Conservation*, 2nd edition. Longman. London.
- Schwab. G.O. Fandmeir. D.D. and Eliot, W.J. 1996, *Soil and Water Management Systems*, 4th edition, John Wiley and Sons Inc. New York.
- Young. A. 2000, *Land Resources: Now and for the Future*, Cambridge University Press. Cambridge.
- De N K and P Ghosh, 2013, *Geography of Soils*, Shribhumi Publishing House, 101B, Sitaram Ghosh Street, Kolkata - 700009

Biogeography:

- Chapman J.L. and Reiss. J.J. 1993, *Ecology: Principles and Applications*, Cambridge University Press, Cambridge.
- Chiras D.D. Reganold J.P. and Owen, O.S. 2002, *Natural Resource Conservation. Management for a Sustainable Future*. 8th edition, Prentice Hall. Englewood Cliffs.
- Dash. M.C. 2001, *Fundamentals of Ecology*, 2nd edition, Tata McGraw-Hill, New Delhi.
- Huggett. R. 1998, *Fundamentals of Biogeography*, Routledge. London.
- Kormondy. E.J. 1996, *Concepts of Ecology*, 4th edition. Prentice-Hall, India. New Delhi.
- Myers. A.A. AND Giller. P.S. (editors) 1988, *Analytical Biogeography: An Integrated Approach to the study of Animal and Plant Distributions*. Chapman and Hall. London.
- Odum E.P. 1997, *Ecology: A Bridge between Science and Society*, Sinaur Associates Inc. Publishers, Sunderland..
- Sharma P.D. 1996, *Ecology and Environment*, 7th edition, Rastogi Publications, Mirat.
- Weddell, B.J. 2002, *Conserving Living Natural Resources in the Context of a Changing World*. Cambridge University Press. Cambridge.
- World Wide Fund for Nature-India (Eastern Region) 1995, *Nature Conservation Handbook*. Calcutta.

OR

DSE - 4 (Theoretical) : AGRICULTURAL GEOGRAPHY Credit: 6

Total Marks: 60+15

End Term Examination Time: 3 hours

Pattern of Setting Questions:

- 10 questions to be answered out of 15, each question carries 02 Marks, Total 20 Marks;
- 4 questions to be answered out of 6, each question carries 05 Marks, Each question shall have at least two parts. Total 20 Marks;
- 2 questions to be answered out of 4, each question carries 10 Marks, Each question shall have at least two parts. Total 20 Marks;
- Internal Assessment: 15 (Assessment 10 and Attendance 05 Marks) Marks

Unit-I

1. Origin and Diffusion of Agriculture
2. Concepts and Types of Agricultural Systems
3. Physical and Human Influences on the Distribution of Agricultural Systems
4. Classification and Characteristics of Agricultural Regions of the World
5. Characteristics and Distribution of Dairy Farming
6. Models of Agricultural Location by Sinclair
7. Crop Combination (Weaver)
8. Crop Diversification (Jasbir Singh)

Unit-II

1. Methods of Agricultural Regionalization
2. Agro-climatic Regions of India
3. Green Revolution in India: Problems and Prospects
4. Agricultural Credit and Marketing: NABARD

Reference:

Anderson, R.H.1936. Grain Drills through 39 Centuries. Agricultural History

Buchanan, R.O.1959. Some Reflections on Agricultural Geography

Candolle & Alphonse De. 1967. Origin of Cultivated Plants. Hafner. NewYork

Carrier & Lyman, H. 1968. Beginning of Agriculture in America Johnson. New

York Husain, M.2007.Systematic Agricultutral Geography. Rawat. Jaipur

Sharma. T.C. and Coutinho. O. 1998, *Economic and Commercial Geography of India*. 3rd edition.
Vikash Pub. House Pvt. Ltd. New Delhi.

Shiva. V. 1992, *The Violence of the Green Revolution: Agriculture, Ecology and Politics in the South*, 2001 reprint, Other India Press. Mapua.

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

**SYLLABUS FOR B.A. HONOURS PROGRAMME
IN
ENGLISH
UNDER SEMESTER WITH CBCS
(Effective from 2017- 18)**

Only ticked courses are chosen for reading and evaluation

ND stands for non-detailed study

Type	Credits	Number of Courses	Total credits
CC	6 credits per Course (5 theory, 1 tutorial)	14	84
DSE	6 credits per Course (5 theory, 1 tutorial)	4	24
GE [any discipline other than English]	6 credits per Course (5 theory, 1 tutorial)	4	24
AEC	AECC 1 – 4 credits, AECC 2 – 2 Credits	2	6
SEC	2 credits per paper	2	4
Total			142

CORE COURSE (CC)

- ✓ CC1: Indian Classical Literature
- ✓ CC2: European Classical Literature
- ✓ CC3: Indian Writing in English
- ✓ CC4: British Poetry, Drama (16th – 17th Centuries), and Rhetoric & Prosody
- ✓ CC5: American Literature
- ✓ CC6: Popular Literature
- ✓ CC7: British Poetry and Drama (17th – 18th Centuries)
- ✓ CC8: British Literature (18th Century)
- ✓ CC9: British Romantic Literature
- ✓ CC10: British Literature (19th Century)
- ✓ CC11: Women's Writing
- ✓ CC12: British Literature (Early 20th Century)
- ✓ CC13: Modern European Drama
- ✓ CC14: Postcolonial Literatures

DISCIPLINE SPECIFIC ELECTIVE (DSE)

- ✓ DSE1: Modern Indian Writing in English Translation OR Travel Writing
- ✓ DSE2: Partition Literature OR British Literature: Post-WWII
- ✓ DSE3: Literary Theory OR Research Methodology
- ✓ DSE4: Literary Criticism and History of the English Language OR Literature of the Indian Diaspora

GENERIC ELECTIVE (GE) [For learners from other discipline(s)]

- ✓ GE1 : Poetry & Short Story
- ✓ GE2 : Essay, Drama and Novel
- ✓ GE3 : Contemporary India: Women and Empowerment
- ✓ GE4 : Academic Writing and Composition

ABILITY ENHANCEMENT COMPULSORY COURSE (AECC)

- ✓ AECC - 1: Environmental Studies(to follow ENVS syllabus)
- ✓ AECC - 2: Communicative English / MIL

SKILL ENHANCEMENT COURSE (SEC)

- ✓ SEC1: Translation OR Creative Writing
- ✓ SEC2: ELT OR Film Studies

**B.A. Honours Programme in English under CBCS
Structure at a Glance**

Semester	Courses	Course type	Credit	Full Marks
Sem.- I	CC-I	Core Course	6	75
	CC-II	Core Course	6	75
	GE- 1	Interdisciplinary(other than English)	6	75
	ENVS	AECC 1	4	100
Sem.- II	CC-III	Core Course	6	75
	CC-IV	Core Course	6	75
	GE-2	Interdisciplinary(other than English)	6	75
	Communicative English/ MIL	AECC	2	50
Sem.-III	CC-V	Core Course	6	75
	CC-VI	Core Course	6	75
	CC-VII	Core Course	6	75
	GE-3	Interdisciplinary(other than English)	6	75
	SEC- 1	Skill based	2	50
Sem.-IV	CC-VIII	Core Course	6	75
	CC-IX	Core Course	6	75
	CC-X	Core Course	6	75
	GE-4	Interdisciplinary(other than English)	6	75
	SEC- 2	Skill based	2	50
Sem.-V	CC-XI	Core Course	6	75
	CC-XII	Core Course	6	75
	DSE- 1	Discipline Specific Elective	6	75
	DSE- 2	Discipline Specific Elective	6	75
Sem.-VI	CC-XIII	Core Course	6	75
	CC-XIV	Core Course	6	75
	DSE- 3	Discipline Specific Elective	6	75
	DSE- 4	Discipline Specific Elective	6	75

Detailed Syllabus: (Recommended Reading suggested in the syllabus is tentative and subject to alteration)

SEMESTER I

<p>✓ CC - I: Indian Classical Literature</p> <p>Section A</p> <ol style="list-style-type: none"> 1. Vyasa: 'The Book of the Assembly Hall', in <i>The Mahabharata</i>: tr. and ed. J.A.B. van Buitenen (Chicago: Brill, 1975) (ND) 2. Sudraka: <i>Mrcchakatika</i>, tr. M. M. Ramachandra Kale (New Delhi: Motilal Banarasiidass, 1962). <p>Section B</p> <ol style="list-style-type: none"> 3. Banabhatta: <i>Kadambari</i> (Chapter I, II) (ND) 4. Kalidasa: <i>Abhijnana Shakuntalam</i> in <i>The Loom of Time</i> (tr. Chandra Rajan, New Delhi: Penguin, 1989) <p>Topics</p> <p>The Indian Epic Tradition: Themes and Recensions, Classical Indian Drama: Theory and Practice, Alamkara and Rasa, Dharma and the Heroic</p> <p>Recommended Readings</p> <ol style="list-style-type: none"> 1. Bharata. <i>Natyashastra</i>, tr. Manomohan Ghosh, vol. I, 2nd edn (Calcutta: Granthalaya, 1967) chap. 6: 'Sentiments', pp. 100–18. 2. Iravati Karve, 'Draupadi', in <i>Yuganta: The End of an Epoch</i> (Hyderabad: Disha, 1991) pp. 79–105. 3. J.A. B. Van Buitenen, 'Dharma and Moksa', in Roy W. Perrett, ed., <i>Indian Philosophy</i>, vol. V, <i>Theory of Value: A Collection of Readings</i> (New York: Garland, 2000) pp. 33–40. 4. Vinay Dharwadkar, 'Orientalism and the Study of Indian Literature', in <i>Orientalism and the Postcolonial Predicament: Perspectives on South Asia</i>, ed. Carol A. Breckenridge and Peter van der Veer (New Delhi: OUP, 1994) pp. 158–95. 5. G. N. Devy. Ed. <i>Indian Literary Criticism</i>. Orient Longman. 	<p>20 (L) + 4 (T)</p> <p>20 (L) + 2 (T)</p> <p>18 (L) + 4 (T)</p> <p>18 (L) + 4 (T)</p> <p>76 Lectures + 14 Tutorials = 90</p>
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SEMESTER I

<p>✓ CC - II: European Classical Literature</p>	
<p>Section A</p>	
<p>1. Homer: <i>The Iliad</i>, Book I & II (tr. E. V. Rieu; Harmondsworth: Penguin, 1985) (ND)</p>	<p>20 (L) + 4 (T)</p>
<p>2. Sophocles: <i>Oedipus the King</i>, in <i>Sophocles: The Three Theban Plays</i> (tr. Robert Fagles Harmondsworth: Penguin, 1984)</p>	<p>20 (L) + 4 (T)</p>
<p>Section B</p>	
<p>3. Ovid: Selections from <i>Metamorphoses</i> 'Bacchus', (Book III).</p>	<p>15 (L) + 3 (T)</p>
<p>4. Plautus: <i>Pot of Gold</i>, (tr. E. F. Watling; Harmondsworth: Penguin, 1965). (ND)</p>	<p>20 (L) + 4 (T)</p>
<p>Topics</p>	
<p>The Epic, Comedy and Tragedy in Classical Drama, The Athenian City State, Catharsis and Mimesis, Satire, Literary Cultures in Augustan Rome</p>	<p>75 Lectures + 15 Tutorials = 90</p>
<p>Recommended Readings</p>	
<p>1. Aristotle: <i>Poetics</i>, translated with an introduction and notes by Malcolm Heath, (London: Penguin, 1996) chaps. 6–17, 23, 24, and 26.</p>	
<p>2. Plato: <i>The Republic</i>, Book X, tr. Desmond Lee (London: Penguin, 2007).</p>	
<p>3. Horace: <i>Ars Poetica</i>, tr. H. Rushton Fairclough, Horace: Satires, Epistles and <i>Ars Poetica</i> (Cambridge Mass.: Harvard University Press, 2005) pp. 451–73.</p>	

SEMESTER II

<p>✓ CC - III: Indian Writing in English</p>	
<p>Section A</p>	
1. Lal Behari Day: <i>Govinda Samanta or the History of Bengal Raiyat</i> (ND)	20 (L) + 4 (T)
2. Anita Desai: <i>Clear Light of Day</i>	20 (L) + 4 (T)
<p>Section B</p>	
3. a) H.L.V. Derozio: 'Freedom to the Slave'	3 (L) + 1 (T)
b) Kamala Das: 'Introduction'	3 (L) + 1(T)
c) Nissim Ezekiel: 'The Night of the Scorpion'	3 (L) + 1(T)
d) Robin S. Ngangom: 'A Poem for Mother'	3 (L) + 1 (T)
4. Mahesh Dattani: <i>Bravely Fought the Queen</i> (ND)	22 (L) + 4 (T)
<p>Topics</p> <p>Indian English, Indian English Literature and its Readership, Themes and Contexts of the Indian English Novel, The Aesthetics of Indian English Poetry, Modernism in Indian English Literature</p>	
<p>Recommended Readings</p>	
<p>1. Raja Rao. Foreword to <i>Kanthapura</i> (New Delhi: OUP, 1989) pp. v–vi.</p>	
<p>2. Salman Rushdie. 'Commonwealth Literature does not exist', in <i>Imaginary Homelands</i> (London: Granta Books, 1991) pp. 61–70.</p>	
<p>3. Meenakshi Mukherjee. 'Divided by a Common Language', in <i>The Perishable Empire</i> (New Delhi: OUP, 2000) pp.187–203.</p>	
<p>4. Bruce King. 'Introduction', in <i>Modern Indian Poetry in English</i> (New Delhi: OUP, 2ndedn, 2005) pp. 1–10.</p>	
<p>74 Lectures + 16 Tutorials = 90</p>	

SEMESTER II

<p>✓ CC - IV: British Poetry, Drama (16th – 17th Centuries) & Rhetoric and Prosody</p> <p>Section A</p> <p>1. a) William Shakespeare: ‘Sonnet No. 18’, ‘Sonnet no. 116’ b) John Donne: ‘Good Morrow’, ‘The Sun Rising’</p> <p>Rhetoric and Prosody (Recommended Bose and Sterling)</p> <p>Section B</p> <p>2. William Shakespeare: <i>Macbeth</i> 3. Christopher Marlowe: <i>Edward II</i> (ND) 4. William Shakespeare: <i>Twelfth Night</i> (ND)</p> <p>Topics</p> <p>Renaissance Humanism, The Stage, Court and City, Religious and Political Thought, Ideas of Love and Marriage, The Writer in Society</p> <p>Recommended Readings</p> <ol style="list-style-type: none"> 1. Pico Della Mirandola. Excerpts from The Oration on the Dignity of Man, in <i>The Portable Renaissance Reader</i>, ed. James Bruce Ross and Mary Martin McLaughlin (New York: Penguin Books, 1953) pp. 476–9. 2. John Calvin. ‘Predestination and Free Will’, in <i>The Portable Renaissance Reader</i>, ed. James Bruce Ross and Mary Martin McLaughlin (New York: Penguin Books, 1953) pp. 704–11. 3. Baldassare Castiglione. ‘Longing for Beauty’ and ‘Invocation of Love’, in Book 4 of <i>The Courtier</i>, ‘Love and Beauty’, tr. George Bull (Harmondsworth: Penguin, rpt. 1983) pp. 324–8, 330–5. 4. Philip Sidney. <i>An Apology for Poetry</i>, ed. Forrest G. Robinson (Indianapolis: BobbsMerrill, 1970) pp. 13–18. 	<p>4 (L) + 1 (T) 4(L) + 1 (T) 12(L) + 3 (T)</p> <p>20(L) + 3 (T) 16(L) + 3 (T) 20(L) + 3 (T)</p> <p>76 Lectures + 14 Tutorials = 90</p>
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SEMESTER III

<p>✓ CC - V: American Literature</p> <p>Section A</p> <p>1. Mark Twain: <i>The Adventures of Tom Sawyer</i> (ND)</p> <p>2. a) Edgar Allan Poe: 'The Purloined Letter' b) F. Scott Fitzgerald: 'The Crack-up' c) William Faulkner: 'Dry September'</p> <p>Section B</p> <p>3. a) Anne Bradstreet: 'The Prologue' b) Walt Whitman: 'Passage to India' (lines 1– 68) c) Alexie Sherman Alexie: 'Crow Testament'</p> <p>4. Tennessee Williams: <i>The Glass Menagerie</i> (ND)</p> <p>Topics</p> <p>The American Dream, Social Realism and the American Novel, Folklore and the American Novel, Black Women's Writings, Questions of Form in American Poetry</p> <p>Recommended Readings</p> <p>1. <i>American Literature</i> by Boris Ford</p> <p>2. Hector St John Crevecoeur. 'What is an American', (Letter III) in <i>Letters from an American Farmer</i> (Harmondsworth: Penguin, 1982) pp. 66–105.</p> <p>3. Frederick Douglass. <i>A Narrative of the life of Frederick Douglass</i> (Harmondsworth: Penguin, 1982) chaps. 1–7, pp. 47–87.</p> <p>4. Henry David Thoreau. 'Battle of the Ants' excerpt from 'Brute Neighbours', in <i>Walden</i> (Oxford: OUP, 1997) chap. 12</p> <p>5. Ralph Waldo Emerson. 'Self Reliance', in <i>The Selected Writings of Ralph Waldo Emerson</i>, ed. with a biographical introduction by Brooks Atkinson (New York: The Modern Library, 1964).</p> <p>6. Toni Morrison. 'Romancing the Shadow', in <i>Playing in the Dark: Whiteness and Literary Imagination</i> (London: Picador, 1993) pp. 29–39.</p>	<p>20 (L) + 4 (T)</p> <p>8 (L) + 2 (T)</p> <p>8 (L) + 2 (T)</p> <p>4 (L) + 1 (T)</p> <p>4(L) + 1 (T)</p> <p>4(L) + 1(T)</p> <p>4(L) + 1 (T)</p> <p>22 (L) + 4 (T)</p> <p>74 Lectures + 16 Tutorials= 90</p>
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SEMESTER III

✓ CC - VI: Popular Literature

Section A

1. Lewis Carroll: *Alice's Adventures in Wonderland* (ND)
2. Agatha Christie: *The Murder of Roger Ackroyd*

20 (L) + 4 (T)

20 (L) + 4(T)

Section B

3. L. Frank Baum: *The Wonderful Wizard of Oz* (ND)
4. Herge: *Tintin in Tibet*

15 (L) + 3 (T)

20 (L) + 4 (T)

Topics

Coming of Age, The Canonical and the Popular, Caste, Gender and Identity, Ethics and Education in Children's Literature, Sense and Nonsense, The Graphic Novel

75 Lectures +

15 Tutorials = 90

Recommended Readings

1. Martin Gardner's *The Annotated Alice*.
2. Sumathi Ramaswamy. 'Introduction', in *Beyond Appearances?: Visual Practices and Ideologies in Modern India* (Sage: Delhi, 2003) pp. xiii–xxix.
3. Leslie Fiedler. 'Towards a Definition of Popular Literature', in *Super Culture: American Popular Culture and Europe*, ed. C.W.E. Bigsby (Ohio: Bowling Green University Press, 1975) pp. 29–38.
4. Felicity Hughes. 'Children's Literature: Theory and Practice', *English Literary History*, vol. 45, 1978, pp. 542–61.

SEMESTER III

<p>✓ CC - VII: British Poetry and Drama (17th – 18th Centuries)</p>	
<p>Section A</p> <ol style="list-style-type: none"> 1. John Milton: <i>Paradise Lost</i>(Book I) 2. Thomas Dekker: <i>Shoemaker's Holiday</i>(ND) 	<p>22(L) + 4 (T) 20 (L)+ 4 (T)</p>
<p>Section B</p> <ol style="list-style-type: none"> 3. Alexander Pope: <i>The Rape of the Lock</i>(Cantos I and III) 4. Aphra Behn: <i>Oronokoo</i> (ND) 	<p>22(L) + 4 (T) 12 (L) + 2 (T)</p>
<p>Topics Religious and Secular Thought in the 17th Century, The Stage, the State and the Market, The Mock-epic and Satire, Women in the 17th Century, The Comedy of Manners</p>	<p>76 Lectures + 14 Tutorials = 90</p>
<p>Recommended Readings</p> <ol style="list-style-type: none"> 1. <i>The Holy Bible</i>, Genesis, chaps. 1–4, The Gospel according to St. Luke, chaps. 1–7 and 22–4. 2. Niccolo Machiavelli. <i>The Prince</i>, ed. and tr. Robert M. Adams (New York: Norton, 1992) chaps. 15, 16, 18, and 25. 3. Thomas Hobbes. Selections from <i>The Leviathan</i>, pt. I (New York: Norton, 2006) chaps. 8, 11, and 13. 4. John Dryden. ‘A Discourse Concerning the Original and Progress of Satire’, in <i>The Norton Anthology of English Literature</i>, vol. 1, 9th edn, ed. Stephen Greenblatt (New York: Norton 2012) pp. 1767–8 5. <i>From Dryden to Johnson</i> by Boris Ford 	

SEMESTER IV

✓ **CC - VIII: British Literature (18th Century)**

Section A

1. William Congreve: *The Way of the World* (ND)
2. a) Thomas Gray: 'Elegy'
b) William Collins: 'Ode to Evening'

25 (L) + 5 (T)
10(L) + 2 (T)
4(L) + 1 (T)

Section B

3. Daniel Defoe: *Moll Flanders* (ND)
4. Jonathan Swift: *Gulliver's Travels* (Books I and II)

14(L) + 3 (T)
22 (L) + 4 (T)

Topics

The Enlightenment and Neoclassicism, Restoration Comedy, The Country and the City, The Novel and the Periodical Press

**75 Lectures +
15 Tutorials = 90**

Recommended Readings

1. Jeremy Collier. *A Short View of the Immorality and Profaneness of the English Stage* (London: Routledge, 1996).
2. Daniel Defoe. 'The Complete English Tradesman' (Letter XXII), 'The Great Law of Subordination Considered' (Letter IV), and 'The Complete English Gentleman', in *Literature and Social Order in Eighteenth-Century England*, ed. Stephen Copley (London: Croom Helm, 1984).
3. Samuel Johnson. 'Essay 156', in *The Rambler*, in *Selected Writings: Samuel Johnson*, ed. Peter Martin (Cambridge, Mass.: Harvard University Press, 2009) pp. 194–7; *Rasselas* Chapter 10; 'Pope's Intellectual Character: Pope and Dryden Compared', from *The Life of Pope*, in *The Norton Anthology of English Literature*, vol.1, ed. Stephen Greenblatt, 8th edn (New York: Norton, 2006) pp. 2693–4, 2774–7.
4. *From Dryden to Johnson* by Boris Ford

SEMESTERIV

<p>✓ CC - IX: British Romantic Literature</p>	
<p>Section A</p>	
1. a) William Wordsworth: 'Tintern Abbey'	10 (L) + 2 (T)
b) Samuel Taylor Coleridge: 'Kubla Khan'	5 (L) + 1 (T)
2. William Blake: 'Lamb', 'Chimney Sweeper' (<i>Songs of Innocence</i>) 'Chimney Sweeper' (<i>Songs of Experience</i>), 'The Tyger'	9 (L) + 2 (T)
<p>Section B</p>	
3. Jane Austen: <i>Pride and Prejudice</i> (ND)	18 (L) + 3 (T)
4. a) George Gordon Byron: <i>Childe Harold's Pilgrimage</i> (Canto III, verses 36-45)	15 (L) + 3 (T)
b) P.B. Shelley: 'Ode to the West Wind', 'Ozymandias'	8 (L) + 2 (T)
c) John Keats: 'Ode to a Nightingale', 'To Autumn'	10 (L) + 2 (T)
<p>Topics</p>	
Reason and Imagination, Conceptions of Nature, Literature and Revolution, The Gothic, The Romantic Lyric	75 Lectures + 15 Tutorials = 90
<p>Recommended Readings</p>	
1. William Wordsworth. 'Preface to Lyrical Ballads', in <i>Romantic Prose and Poetry</i> , ed. Harold Bloom and Lionel Trilling (New York: OUP, 1973) pp. 594–611.	
2. John Keats. 'Letter to George and Thomas Keats, 21 December 1817', 'Letter to Richard Woodhouse, 27 October, 1818', in <i>Romantic Prose and Poetry</i> , ed. Harold Bloom and Lionel Trilling (New York: OUP, 1973) pp. 766–68, 777–8.	
3. Jean-Jacques Rousseau. 'Preface' to <i>Emile or On Education</i> , tr. Allan Bloom (Harmondsworth: Penguin, 1991).	
4. Samuel Taylor Coleridge. <i>Biographia Literaria</i> , ed. George Watson (London:Everyman, 1993) chap. XIII, pp. 161–66.	
5. <i>From Blake to Byron</i> by Boris Ford	

SEMESTER IV

<p>✓ CC - X: British Literature (19th Century)</p> <p>Section A</p> <p>1. Charles Dickens: <i>Hard Times</i> (ND)</p> <p>2. a) Alfred Tennyson: 'The Lady of Shallot' b) Robert Browning: 'My Last Duchess' c) Christina Rossetti: 'The Goblin Market'</p> <p>Section B</p> <p>3. Charlotte Bronte: <i>Jane Eyre</i></p> <p>4. Thomas Hardy: <i>Return of the Native</i> (ND)</p> <p>Topics Utilitarianism, The 19th Century Novel, Marriage and Sexuality, The Writer and Society, Faith and Doubt, The Dramatic Monologue</p> <p>Recommended Readings</p> <p>1. Karl Marx and Friedrich Engels. 'Mode of Production: The Basis of Social Life', 'The Social Nature of Consciousness', and 'Classes and Ideology', in <i>A Reader in Marxist Philosophy</i>, ed. Howard Selsam and Harry Martel (New York: International Publishers, 1963) pp. 186–8, 190–1, 199–201.</p> <p>2. Charles Darwin. 'Natural Selection and Sexual Selection', in <i>The Descent of Man in The Norton Anthology of English Literature</i>, 8th edn, vol. 2, ed. Stephen Greenblatt (New York: Norton, 2006) pp. 1545–9.</p> <p>3. John Stuart Mill. The Subjection of Women in <i>Norton Anthology of English Literature</i>, 8th edn, vol. 2, ed. Stephen Greenblatt (New York: Norton, 2006) chap. 1, pp. 1061–9.</p> <p>4. <i>From Dickens to Hardy</i> by Boris Ford</p>	<p>25 (L) + 5 (T)</p> <p>4(L) + 1 (T)</p> <p>3 (L) + 1 (T)</p> <p>3 (L) + 1 (T)</p> <p>25(L) + 5 (T)</p> <p>14(L) + 3 (T)</p> <p>74 Lectures + 16 Tutorials = 90</p>
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SEMESTER V

<p>✓ CC - XI: Women's Writing</p>	
<p>Section A</p>	
1. a) Emily Dickinson: 'I cannot live with you', 'I'm wife; I've finished that'	5(L) + 1 (T)
b) Sylvia Plath: 'Daddy'	3(L) + 1 (T)
c) Eunice De Souza. 'Advice to Women', 'Bequest'.	5(L) + 1 (T)
2. Jean Rhys: <i>Wide Sargasso Sea</i> (ND)	14(L) + 3 (T)
<p>Section B</p>	
3. a) Mary Wollstonecraft: <i>A Vindication of the Rights of Woman</i> (New York: Norton, 1988)chap. 1, pp. 11–19; chap. 2, pp. 19–38 (ND)	14(L) + 3 (T)
b) Ramabai Ranade: 'A Testimony of our Inexhaustible Treasures', in <i>Pandita Ramabai: Through Her Own Words: Selected Works</i> , tr. Meera Kosambi (New Delhi: OUP, 2000) pp. 295–324 (ND)	8 (L) + 2 (T)
c) Rassundari Debi: <i>Amar Jiban</i> (Excerpts in Susie Tharu and K. Lalita, eds., <i>Women's Writing in India</i> , vol. 1 (New Delhi: OUP, 1989 pp. 191–2) (ND)	10 (L) + 2 (T)
4. a) Charlotte Perkins Gilman: 'The Yellow Wallpaper'	5(L) + 1 (T)
b) Katherine Mansfield: "Bliss"	5(L) + 1 (T)
c) Mahasweta Devi: "Draupadi" (Tr. Gayatri Spivak, Seagull Publishers, Kolkata)	5(L) + 1 (T)
<p>Topics</p>	
<p>The Confessional Mode in Women's Writing, Sexual Politics, Race, Caste and Gender, Social Reform and Women's Rights</p>	
<p>Recommended Readings</p>	
<p>1. Virginia Woolf. <i>A Room of One's Own</i> (New York: Harcourt, 1957) chaps. 1 and 6.</p>	
<p>2. Simone de Beauvoir. 'Introduction', in <i>The Second Sex</i>, tr. Constance Borde and Shiela Malovany- Chevallier (London: Vintage, 2010) pp. 3–18.</p>	
<p>3. Kumkum Sangari and Sudesh Vaid. Eds., 'Introduction', in <i>Recasting Women: Essays in Colonial History</i> (New Delhi: Kali for Women, 1989) pp. 1–25.</p>	
<p>4. Chandra Talapade Mohanty. 'Under Western Eyes: Feminist Scholarship and Colonial Discourses', in <i>Contemporary Postcolonial Theory: A Reader</i>, ed. Padmini Mongia (New York: Arnold, 1996 pp. 172–97).</p>	
<p>74 Lectures + 16 Tutorials = 90</p>	

SEMESTER V

<p>✓ CC - XII: British Literature (Early 20th Century)</p> <p>Section A</p> <ol style="list-style-type: none">1. Virginia Woolf: <i>Mrs. Dalloway</i> (ND)2. John Osborne: <i>Look Back in Anger</i> <p>Section B</p> <ol style="list-style-type: none">3. a) W.B. Yeats: 'Leda and the Swan', 'The Second Coming' b) T. S. Eliot: 'The Love Song of J. Alfred Prufrock', 'The Hollow Men'4. James Joyce: <i>A Portrait of the Artist as a Young Man</i> (ND) <p>Topics</p> <p>Modernism, Post-modernism and non-European Cultures, The Women's Movement in the Early 20th Century, Psychoanalysis and the Stream of Consciousness, The Uses of Myth, The Avant Garde</p> <p>Recommended Readings</p> <ol style="list-style-type: none">1. Sigmund Freud. 'Theory of Dreams', 'Oedipus Complex', and 'The Structure of the Unconscious', in <i>The Modern Tradition</i>, ed. Richard Ellmann et. al. (Oxford: OUP, 1965) pp. 571, 578–80, 559–63.2. T.S. Eliot. 'Tradition and the Individual Talent', in <i>Norton Anthology of English Literature</i>, 8th edn, vol. 2, ed. Stephen Greenblatt (New York: Norton, 2006) pp. 2319–25.3. Raymond Williams. 'Introduction', in <i>The English Novel from Dickens to Lawrence</i> (London: Hogarth Press, 1984) pp. 9–27.4. <i>From James to Eliot</i> by Boris Ford	<p>16 (L) + 4 (T)</p> <p>20 (L) + 4 (T)</p> <p>9(L) + 2 (T)</p> <p>15(L) + 3 (T)</p> <p>14 (L) + 3 (T)</p> <p>74 Lectures + 16 Tutorials = 90</p>
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SEMESTERVI

<p>✓ CC - XIII: Modern European Drama</p> <p>Section A</p> <ol style="list-style-type: none">1. Henrik Ibsen: <i>A Doll's House</i>2. Eugene Ionesco: <i>Rhinoceros</i>(ND) <p>Section B</p> <ol style="list-style-type: none">1. Bertolt Brecht: <i>The Good Woman of Szechwan</i>(ND)2. Samuel Beckett: <i>Waiting for Godot</i> <p>Topics</p> <p>Politics, Social Change and the Stage, Text and Performance, European Drama: Realism and Beyond, Tragedy and Heroism in Modern European Drama, The Theatre of the Absurd</p> <p>Recommended Readings</p> <ol style="list-style-type: none">1. Constantin Stanislavski. <i>An Actor Prepares</i>. Chap. 8, 'Faith and the Sense of Truth', tr. Elizabeth Reynolds Hapgood (Harmondsworth: Penguin, 1967, sections 1, 2, 7, 8, 9, pp. 121–5, 137–46).2. Bertolt Brecht. 'The Street Scene', 'Theatre for Pleasure or Theatre for Instruction', and 'Dramatic Theatre vs Epic Theatre', in <i>Brecht on Theatre: The Development of an Aesthetic</i>, ed. and tr. John Willet (London: Methuen, 1992, pp. 68–76, 121–8.)3. George Steiner. 'On Modern Tragedy', in <i>The Death of Tragedy</i> (London: Faber, 1995) pp. 303–24.	<p>20 (L) + 4 (T) 16 (L) + 3(T)</p> <p>14(L) + 3 (T) 25(L) + 5 (T)</p> <p>75 Lectures + 15 Tutorials = 90</p>
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SEMESTERVI

✓ CC - XIV: Postcolonial Literatures

Section A

1. Chinua Achebe: *Things Fall Apart* (ND)

14(L) + 2 (T)

2. a) Pablo Neruda: 'Tonight I can Write'

4(L) + 1 (T)

b) Derek Walcott: 'A Far Cry from Africa'

4(L) + 1 (T)

c) David Malouf: 'Revolving Days'

4(L) + 1 (T)

d) Mamang Dai: 'Small Towns and the River'

4(L) + 1 (T)

Section B

3. Salman Rushdie: *Haroun and the Sea of Stories*

23 (L) + 5 (T)

4. Mahasweta Devi: *The Arrow of Chotti Munda* (Tr. Gayatri Spivak, Seagull Publishers) (ND)

22 (L) + 4 (T)

Recommended Reading:

75 Lectures +

1. Franz Fanon, 'The Negro and Language', in *Black Skin, White Masks*, tr. Charles

15 Tutorials = 90

Lam Markmann (London: Pluto Press, 2008) pp. 8–27.

2. Ngũgĩ wa Thiong'o, 'The Language of African Literature', in *Decolonising the Mind*

(London: James Curry, 1986) chap. 1, sections 4–6.

3. Gabriel Garcia Marquez, the Nobel Prize Acceptance Speech, in *Gabriel Garcia*

Marquez: New Readings, ed. Bernard McGuirk and Richard Cardwell (Cambridge:

Cambridge University Press, 1987).

DISCIPLINE SPECIFIC ELECTIVE

SEMESTER V

<p>✓ DSE - 1</p> <p>A: Modern Indian Writing in English Translation</p> <p>Section A</p> <p>1.</p> <p>a) Premchand: ‘The Shroud’, in <i>Penguin Book of Classic Urdu Stories</i>, ed. M. Assaduddin (New Delhi: Penguin/Viking, 2006) (ND)</p> <p>b) Tagore: <i>Streer Patra</i> (tr. Supriya Chaudhuri <i>Oxford Book of Tagore’s Short Stories</i> New Delhi: Penguin) Books, 2009. (ND)</p> <p>c) Sharatchandra Chattopadhyay: <i>Mahesh (Drought and Other Stories</i>, Sahitya Akademi edition) (ND)</p> <p>d) Mahasweta Devi: ‘The Non-Veg Cow’. Tr. Paromita Banerjee. (Seagull Publishers, Kolkata) (ND)</p> <p>2. Rabindranath Tagore: <i>Gitanjali</i></p> <ul style="list-style-type: none"> • ‘Where the mind is without fear’ • ‘Leave thy chanting and singing and telling beads’ • ‘Art thou abroad on this stormy night’ • ‘Obstinate are the trammels, but my heart aches when I try to break them’ <p>Section B</p> <p>3. Tagore: <i>Gora</i> (tr. Sujit Mukerjee, Sahitya Akademi publishers, New Delhi) (ND)</p> <p>4. M.K. Gandhi: <i>Hind Swaraj</i>. (Tr. Anthony Parel. ‘Swaraj’, ‘Passive Resistance’ and ‘Education’)</p> <p>Topics</p> <p>The Aesthetics of Translation, Linguistic Regions and Languages, Modernity in Indian Literature, Caste, Gender and Resistance, Questions of Form in 20th Century Indian Literature.</p> <p>Recommended Readings</p> <p>1. Namwar Singh, ‘Decolonising the Indian Mind’, tr. Harish Trivedi, <i>Indian Literature</i>, no. 151 (Sept./Oct. 1992).</p> <p>2. B.R. Ambedkar, Annihilation of Caste In <i>Dr. Babasaheb Ambedkar: Writings and Speeches</i>, vol. 1 (Maharashtra: Education Department, Government of Maharashtra, 1979) chaps. 4, 6, and 14.</p> <p>3. Sujit Mukherjee, ‘A Link Literature for India’, in <i>Translation as Discovery</i> (Hyderabad: Orient Longman, 1994) pp. 34–45.</p> <p>4. G.N. Devy, ‘Introduction’, from After Amnesia in <i>The G.N. Devy Reader</i> (New Delhi: Orient BlackSwan, 2009) pp. 1–5.</p>	<p>5 (L) + 1 (T)</p> <p>5 (L) + 1 (T)</p> <p>5 (L) + 1(T)</p> <p>5 (L) + 1(T)</p> <p>20 (L) + 4 (T)</p> <p>18 (L) + 3 (T)</p> <p>18 (L) + 3 (T)</p> <p>76 Lectures + 14 Tutorials= 90</p>
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OR

SEMESTER V

<p style="text-align: center;">DSE - 1</p> <p>B: Travel Writing</p> <ol style="list-style-type: none"> Ibn Batuta: ‘The Court of Muhammad bin Tughlaq’ Khuswant Singh’s <i>City Improbable: Writings on Delhi</i>, Penguin Publisher Al Biruni: Chapter LXIII, LXIV, LXV, LXVI, in <i>India by Al Biruni</i>, edited by Qeyamuddin Ahmad, National Book Trust of India Mark Twain: <i>The Innocent Abroad</i> (Chapter VII, VIII and IX) (Wordsworth Classic Edition) Ernesto Che Guevara: <i>The Motorcycle Diaries: A Journey around South America</i> (the Expert, Home land for victor, The city of viceroys), Harper Perennial William Dalrymple: <i>City of Dijnn</i> (Prologue, Chapters I and II) Penguin Books Rahul Sankrityayan: <i>From Volga to Ganga</i> (Translation by Victor Kierman) (Section I to Section II) Pilgrims Publishing Nahid Gandhi: <i>Alternative Realities: Love in the Lives of Muslim Women</i>, Chapter ‘Love, War and Widow’, Westland, 2013 Elisabeth Bumiller: <i>May You be the Mother of a Hundred Sons: a Journey among the Women of India</i>, Chapters 2 and 3, pp.24-74 (New York: PenguinBooks, 1991) <p>Topics Travel Writing and Ethnography, Gender and Travel, Globalization and Travel, Travel and Religion, Orientalism and Travel</p> <p>Recommended Readings</p> <ol style="list-style-type: none"> Susan Bassnett, ‘Travel Writing and Gender’, in <i>Cambridge Companion to Travel Writing</i>, ed. Peter Hulme and Tim Young (Cambridge: CUP,2002) pp, 225-241 Tabish Khair, ‘An Interview with William Dalrymple and Pankaj Mishra’ in <i>Postcolonial Travel Writings: Critical Explorations</i>, ed. Justin D Edwards and Rune Graulund (New York: Palgrave Macmillan, 2011), 173-184 Casey Balton, ‘Narrating Self and Other: A Historical View’, in <i>Travel Writing: The Self and The Other</i> (Routledge, 2012), pp.1-29 Sachidananda Mohanty, ‘Introduction: Beyond the Imperial Eyes’ in <i>Travel Writing and Empire</i> (New Delhi: Katha, 2004) pp. ix –xx. 	<p>8(L) + 2 (T) 8 (L) + 2(T) 5 (L) + 1(T) 10 (L) + 2(T) 10 (L) + 2(T) 6 (L) + 1 (T) 9 (L) + 2 (T) 9 (L) + 2(T) 9 (L) + 2 (T)</p> <p>74 Lectures + 16 Tutorials = 90</p>
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SEMESTER V✓ **DSE-2:****A: Partition Literature****Section A**

1. Amitav Ghosh: *The Shadow Lines*.
2. Khushwant Singh: *Train to Pakistan*(ND)

22 (L) + 4 (T)

15 (L) + 3 (T)

Section B

3.
 - a) Dibyendu Palit: 'Alam's Own House', tr. Sarika Chaudhuri in *Bengal Partition Stories: An Unclosed Chapter*, ed. Bashabi Fraser (London: Anthem Press, 2008) pp. 453–72.
 - b) Manik Bandhopadhyaya: 'The Final Solution', tr. Rani Ray, *Mapmaking: Partition Stories from Two Bengals*, ed. DebjaniSengupta (New Delhi: Srishti, 2003) pp.23–39
 - c) Saadat Hasan Manto: "Toba Tek Sing", in *Black Margins: Manto*, tr. M.Asaduddin (New Delhi: Katha, 2003) pp. 212–20
 - d) LalithambikaAntharajanam: 'A Leaf in the Storm', tr. K. Narayana Chandran, in *Stories about the Partition of India*ed. AlokBhalla (New Delhi: Manohar, 2012)

4 (L) + 1 (T)

5 (L) + 1 (T)

5 (L) + 1 (T)

5 (L) + 1 (T)

4. Bapsi Sidhwa: *Ice Candy Man* (ND)

20 (L) + 3 (T)

Topics

Colonialism, Nationalism, and the Partition, Communalism and Violence, Homelessness and Exile, Women in the Partition

76 Lectures +**14 Tutorials = 90****Recommended Readings and Screenings**

1. Ritu Menon and KamlaBhasin, 'Introduction', in *Borders and Boundaries* (NewDelhi: Kali for Women, 1998).
 2. Sukrita P. Kumar, *Narrating Partition* (Delhi: Indialog, 2004).
 3. Urvashi Butalia, *The Other Side of Silence: Voices from the Partition of India* (Delhi:Kali for Women, 2000).
 4. Sigmund Freud, 'Mourning and Melancholia', in *The Complete Psychological Worksof Sigmund Freud*, tr. James Strachey (London: Hogarth Press, 1953) pp. 3041–53.
- GaramHawa* (dir. M.S. Sathyu, 1974)
KhamoshPaani: Silent Waters (dir. SabihaSumar, 2003)
Subarnarekha (dir. RitwikGhatak, 1965)

OR

SEMESTER V

<p>DSE-2:</p> <p>B: British Literature: Post-WWII</p> <ol style="list-style-type: none">1. John Fowles: <i>The French Lieutenant's Woman</i>2. Jeanette Winterson: <i>Sexing the Cherry</i>3. Hanif Kureishi: <i>My Beautiful Launderette</i>4. a) Phillip Larkin: 'Whitsun Weddings', 'Church Going' b) Ted Hughes: 'Hawk Roosting', 'Crow's Fall' c) Seamus Heaney: 'Digging', 'Casualty' d) Carol Anne Duffy: 'Text', 'Stealing' <p>Topics</p> <p>Postmodernism in British Literature, Britishness after 1960s, Intertextuality and Experimentation, Literature and Counterculture</p> <p>Recommended Readings</p> <ol style="list-style-type: none">1. Alan Sinfield, 'Literature and Cultural Production', in <i>Literature, Politics, and Culture in Postwar Britain</i> (Berkeley and Los Angeles: University of California Press, 1989) pp. 23–38.2. Seamus Heaney, 'The Redress of Poetry', in <i>The Redress of Poetry</i> (London: Faber, 1995) pp. 1–16.3. Patricia Waugh, 'Culture and Change: 1960-1990', in <i>The Harvest of The Sixties: English Literature And Its Background, 1960-1990</i> (Oxford: OUP, 1997).	<p>20 (L) + 4 (T)</p> <p>18 (L) + 3 (T)</p> <p>18 (L) + 3 (T)</p> <p>6 (L) + 1 (T)</p> <p>6 (L) + 1 (T)</p> <p>4 (L) + 1 (T)</p> <p>4 (L) + 1 (T)</p> <p>76 Lectures + 14 Tutorials =90</p>
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SEMESTER VI

✓ DSE –3

A: Literary Theory

Section A

1. Marxism

Genealogy and definition; Scope and relevance in textual reading; Major theorists; Key terms Class, Base and Superstructure, Dialectics, Interpellation,

16 (L) + 3 (T)

2. Poststructuralism

Genealogy and definition; Scope and relevance Major theorists; Key terms. Logocentrism,, Binaries, Deconstruction, Hyperreal-Simulation.

21 (L) + 4 (T)

Section B

3. Feminism

Genealogy and definition; Scope and relevance in textual reading; Major theorists;Key terms. Phallogentrism, Androgyny, Sex and Gender, Ecriture Feminine

18 (L) + 3 (T)

4. Postcolonial Studies

Genealogy and definition; Scope and relevance in textual reading; Major theorists;Key terms (any 4)
Imperialism and Colonialism, Orientalism, Nation and Nationalism, Diaspora.

21 (L) + 4 (T)

Topics

The East and the West, Questions of Alterity, Power, Language, and Representation, The State and Culture

**76 Lectures +
14 Tutorials = 90**

Recommended Essays

- Antonio Gramsci, 'The Formation of the Intellectuals' and 'Hegemony (Civil Society) and Separation of Powers', in *Selections from the Prison Notebooks*, ed. and tr. Quentin Hoare and Geoffrey Novell Smith (London: Lawrence and Wishart, 1971) pp. 5, 245–6.
- Louis Althusser, 'Ideology and Ideological State Apparatuses', in *Lenin and Philosophy and Other Essays* (New Delhi: Aakar Books, 2006) pp. 85–126.
- Jacques Derrida, 'Structure, Sign and Play in the Discourse of the Human Science', tr. Alan Bass, in *Modern Criticism and Theory: A Reader*, ed. David Lodge (London: Longman, 1988) pp. 108–23.
- Michel Foucault, 'Truth and Power', in *Power and Knowledge*, tr. Alessandro Fontana and Pasquale Pasquino (New York: Pantheon, 1977) pp. 109–33.
- Elaine Showalter, 'Twenty Years on: A Literature of Their Own Revisited', in *A Literature of Their Own: British Women Novelists from Bronte to Lessing* (1977. Rpt. London: Virago, 2003) pp. xi–xxxiii.
- Luce Irigaray, 'When the Goods Get Together' (from *This Sex Which is Not One*), in *New French Feminisms*, ed. Elaine Marks and Isabelle de Courtivron (New York: Schocken Books, 1981) pp. 107–10.
- Mahatma Gandhi, 'Swaraj' 'Passive Resistance' and 'Education', in *Hind Swaraj and Other Writings*, ed. Anthony J Parel (Delhi: CUP, 1997) pp. 88–106.
- Edward Said, 'The Scope of Orientalism' in *Orientalism* (Harmondsworth: Penguin, 1978) pp. 29–110.
- Aijaz Ahmad, "Indian Literature": Notes towards the Definition of a Category', in *In Theory: Classes, Nations, Literatures* (London: Verso, 1992) pp. 243–285.
- Terry Eagleton, *Literary Theory: An Introduction* (Oxford: Blackwell, 2008).
- Peter Barry, *Beginning Theory* (Manchester: Manchester University Press, 2002).

David Hawkes. *Ideology*. Routledge Critical Idioms

OR

SEMESTER VI

DSE –3

B. Research Methodology

1. Practical Criticism and Writing a Term paper
2. Conceptualizing and Drafting Research Proposals
3. On Style Manuals
4. Notes, References, and Bibliography

18 (L) + 3 (T)

18 (L) + 3 (T)

20 (L) + 4 (T)

20 (L) + 4 (T)

Recommended Readings

Gabriele Griffin *Research Methods for English Studies* Edinburgh UP
MLA Handbook 8th Ed. By The Modern Language Association of
America

76 Lectures +

14 Tutorials = 90

SEMESTERVI

✓ DSE –4

A: Literary Criticism and History of the English Language

Section A.

- | | |
|--|---------------|
| 1. History of the English Language. | |
| a) Evolution of the English language(Semantic Change, Standardization, Outgrowing Gender Bias) | 8 (L) + 2 (T) |
| b) Event, Translation, Individual contribution and the English language (Christianization, Bible, Shakespeare) | 8 (L) + 2 (T) |
| c) Enrichment of the English language (Latin, French& Scandinavian Influences and the Influence of Science and Technology) | 8 (L) + 2 (T) |
| d) Expansion of Vocabulary &Branching Off (Word Formation, Indian English & American English) | 8 (L) + 2 (T) |

SECTION B (ND)

- | | |
|---|---------------|
| 1. A. Philip Sidney. <i>Apologie for Poetry</i> . | 8 (L) + 2 (T) |
| B. John Dryden. <i>Essay on Dramatic Poesy</i> . | 8 (L) + 2(T) |
| C. Alexander Pope. <i>Essay in Criticism</i> | 4 (L) + 1 (T) |
| 2. A) William Wordsworth. <i>Preface to the Lyrical Ballads</i> (1802). | 8 (L) + 2 (T) |
| B) S. T. Coleridge. <i>Biographia Literaria</i> . Chapter XIV | 4 (L) + 1 (T) |
| 3. A) Mathew Arnold. <i>Culture and Anarchy</i> . | 6 (L) + 1 (T) |
| B)T. S. Eliot. ‘Tradition and the Individual Talent’ | 4 (L) + 1 (T) |

(Prescribed texts are not for detailed study. Texts may be introduced to acquaint students with key-concepts some of which are given below:

Apologie: Defence of the charge that poets are liars and view on role of metre in poetry

EDP: Views on the Superiority of English plays and Shakespeare

EC: Imitation, Correctness, Classical notion of Originality

Preface to LB: Wordsworth’s views on poetic diction and language of poetry

BL: Distinction between Primary and Secondary Imagination & Fancy & Imagination

C&A: Definition of Culture and Culture as a remedy

T&IT: Notion of Tradition, Historical Sense, Novelty/ Originality, Impersonality)

Topics

Classicism; English adaptations, imitation, imagination, pleasure

Recommended Readings

1. C.S. Lewis. Introduction in *An Experiment in Criticism*, Cambridge University Press 1992
2. M.H. Abrams. *The Mirror and the Lamp*, Oxford University Press, 1971
3. Rene Wellek. Stephen G. Nicholas: *Concepts of Criticism*, Connecticut, Yale University 1963
4. Taylor and Francis Eds. *An Introduction to Literature, Criticism and Theory*, Routledge, 1996
5. B. Prasad. *An Introduction to English Criticism*. MacMillan: Delhi

**74 Lectures +
18 Tutorials = 90**

OR

SEMESTER VI

DSE –4

B: Literature of the Indian Diaspora

1. M. G. Vassanji: *The Book of Secrets* (Penguin, India)
2. Rohinton Mistry: *A Fine Balance* (Alfred A Knopf)
3. Meera Syal: *Anita and Me* (Harper Collins)
4. Jhumpa Lahiri: *The Namesake* (Houghton Mifflin Harcourt)

Topics

The Diaspora, Nostalgia, New Medium, Alienation

Recommended Reading

1. “Introduction: The diasporic imaginary” in Mishra, V. (2008). *Literature of the Indian diaspora*. London: Routledge
2. “Cultural Configurations of Diaspora,” in Kalra, V. Kaur, R. and Hutynuk, J. (2005). *Diaspora & Hybridity*. London: Sage Publications.
3. “The New Empire within Britain,” in Rushdie, S. (1991). *Imaginary Homelands*. London: Granta Books.

20 (L) + 4 (T)

20 (L) + 4 (T)

18 (L) + 3 (T)

18 (L) + 3(T)

**76 Lectures +
14 Tutorials = 90**

Generic Elective [For students from other discipline(s)]

SEMESTER I

<p>✓ GE-1: POETRY & SHORT STORY</p> <p>1. William Shakespeare: Sonnet 116 William Wordsworth: “A Slumber did my Spirit Seal”</p> <p>2. John Keats – “Bright Star” Wilfred Owen – “Strange Meeting”</p> <p>3. Charles Lamb – “Dream Children”</p> <p>4. H. E. Bates – “The Ox”</p>	<p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>9(L) + 2(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4 (T)</p> <p>72 Lectures+ 16 Tutorials = 88</p>
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SEMESTER II

<p>✓ GE - 2: ESSAY, DRAMA, NOVEL</p> <p>1. George Orwell – “Shooting an Elephant” R. K. Narayan – “A Library without Books”</p> <p>2. George Bernard Shaw – <i>Arms and the Man</i></p> <p>3. J. B. Priestley – <i>An Inspector Calls</i></p> <p>4. Ernest Hemingway – <i>The Old Man and the Sea</i> (ND)</p>	<p>09(L)+2(T)</p> <p>09(L)+2(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4(T)</p> <p>18(L)+4 (T)</p> <p>72 Lectures+ 16 Tutorials = 88</p>
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SEMESTER III [ONLY TICKED TEXTS]	
✓ GE – 3: CONTEMPORARY INDIA: WOMEN AND EMPOWERMENT	
1. Social Construction of Gender: <ul style="list-style-type: none"> ➤ Masculinity, Femininity ➤ Patriarchy ➤ Sex and Gender ➤ Gender Socialization ➤ Gender Discrimination ➤ Gender Stereotyping 	10(L) +2(T)
Text: <ul style="list-style-type: none"> • 'Complicating Gender: Rights of Transsexuals in India' by Ashwini Sukthankar. From Nivedita Menon. <i>Sexualities: Issues in Contemporary Indian Feminisms</i> 	10(L) + 2(T)
2. History of Women's Movements in india (Pre- and Post-Independence): <ul style="list-style-type: none"> ➤ Women and Nationalism ➤ Women and Partition ➤ Women and Political Participation 	10(L) = 2(T)
Texts: (any two) <ul style="list-style-type: none"> • "Letters to a Wife: Satyandranath Tagore's Letters to Jynadanandini Tagore" from <i>Epistolary Cultures in 19th Century Bengal</i>, Stree Samya, Kolkata (Forthcoming) • Gholam Murshed. "Chapter Four" from <i>The Reluctant Debutante</i> • Urvashi Butalia. "Beginnings" from <i>The Other Side of Silence</i> • Jashodhara Bagchi and Shubharanjan Dasgupta. <i>The Trauma and the Triumph: Gender and Partition in Eastern India</i>, Vol. 1 ("Introduction") 	10(L) + 2(T)
3. Women and Law: <ul style="list-style-type: none"> ➤ Women and the Indian Constitution ➤ Personal Laws ➤ Customary Practices on Inheritance and Marriage 	8 (L) + 2 (T)
Text: <ul style="list-style-type: none"> • Sudhir Chandra. <i>Enslaved Daughters</i> [From <i>Women and Law in India: An Omnibus</i>] Selections to be taught: (a) Prologue, and (b) Chapter 1 (May be supplemented by workshop on legal awareness) 	8 (L) + 2 (T)
4. Women and Violence: <ul style="list-style-type: none"> ➤ State Interventions ➤ Domestic Violence ➤ Female Foeticide ➤ Sexual Harassment 	8 (L) + 2 (T)
Texts: (any one) <ul style="list-style-type: none"> • Rokeya Sakhawat Hussain – <i>Sultana's Dream</i> (ND) • Bama Faustina Soosairaj – <i>Karukku</i> (ND) 	10 (L) + 2 (T)
	74 Lectures +

<p>Suggested Readings</p> <ul style="list-style-type: none"> ▪ David Glover. <i>Gender</i>. New York: Routledge New Critical Idiom Series. ▪ <i>The Social Construction of Gender</i> (A Gender & Society Reader) by Judith Lorber (Editor), Susan A. Farrell (Editor) ▪ Veena Oldenburg. <i>Dowry Murders: The Imperial Origins of a Cultural Crime</i> ▪ Attia Hussein. <i>Translating Partition</i>. New Delhi: Katha ▪ Brinda Bose. <i>Translating Desire</i>. New Delhi: Katha ▪ Radha Kumar. <i>The History of Doing: The Women's Movement in India</i> ▪ Kalpana Kannabiran. <i>Women and Law Critical Feminist Perspectives</i> ▪ Carolyn Merchant. <i>Earthcare: Women and the Environment</i>. 	<p>16 Tutorials = 90</p>
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SEMESTER IV

<p>✓ GE – 4: ACADEMIC WRITING AND COMPOSITION</p> <ol style="list-style-type: none"> 1. Introduction to the Writing Process: Conventions of Academic Writing, Writing in one’s own words – Summarizing and Paraphrasing 2. Critical Thinking: Syntheses, Analyses, and Evaluation 3. Structuring an Argument: Introduction, Interjection, and Conclusion 4. Citing Resources, Editing, Book and Media Review <p>Recommended Readings</p> <ol style="list-style-type: none"> 1. Liz Hamp-Lyons and Ben Heasley, <i>Study writing: A Course in Writing Skills for Academic Purposes</i> (Cambridge: CUP, 2006). 2. Renu Gupta, <i>A Course in Academic Writing</i> (New Delhi: Orient BlackSwan, 2010). 3. Iona Leki, <i>Academic Writing: Exploring Processes and Strategies</i> (New York: CUP, 2ndedn, 1998). 4. Gerald Graff and Cathy Birkenstein, <i>They Say/I Say: The Moves That Matter in Academic Writing</i> (New York: Norton, 2009). 	<p>20(L) + 4(T)</p> <p>20(L) + 4(T)</p> <p>18(L) + 3(T)</p> <p>18(L) + 3(T)</p> <p>76 Lectures + 14 Tutorials = 90</p>
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ABILITY ENHANCEMENT COURSE (AEC)

SEMESTER I

- ✓ **AECC-I: Environmental Studies**
(Syllabus prescribed by department concerned to be followed)

SEMESTER II

<p>✓ AECC – II (Communicative English/ MIL)</p> <p>Communicative English (MCQ Type Questions to be set to test command of Vocabulary, Usage, Collocation, Register, Difference between Formal and Informal speech, between Standard & Colloquial Language, Awareness about Linguistic Courtesy, Different types of Salutation, Letter-ending, and the like)</p> <p>Introduction:</p> <ul style="list-style-type: none"> • Theory of Communication, • Types and modes of Communication <p>1. Language of Communication:</p> <ul style="list-style-type: none"> • Verbal and Non-verbal (Spoken and Written) • Personal, Social and Business • Barriers and Strategies • Intra-personal, Inter-personal and Group communication <p>2. Speaking Skills:</p> <ul style="list-style-type: none"> • Monologue • Dialogue • Group Discussion • Effective Communication/ Mis- Communication <ul style="list-style-type: none"> ▪ Interview ▪ Public Speech <p>3. Reading and Understanding</p> <ul style="list-style-type: none"> • Close Reading • Comprehension • Summary Paraphrasing • Analysis and Interpretation • Translation(from Indian language to English and vice-versa) <p>4. Writing Skills</p> <ul style="list-style-type: none"> ▪ Documenting ▪ Report Writing ▪ Making notes ▪ Letter writing <p>Recommended Readings:</p> <ol style="list-style-type: none"> 1. <i>Fluency in English</i> - Part II, Oxford University Press, 2006. 2. <i>Business English</i>, Pearson, 2008. 3. <i>Language, Literature and Creativity</i>, Orient Blackswan, 2013. 4. <i>Language through Literature</i> (forthcoming) ed. Dr. Gauri Mishra, Dr Ranjana Kaul, Dr. Brati Biswas 	<p>3(L)+1(T)</p> <p>6(L)+1(T)</p> <p>5(L)+1(T)</p> <p>5(L)+1(T)</p> <p>6(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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SKILL ENHANCEMENT COURSE (SEC)

SEMESTER III

<p>✓ SEC - 1 A: Translation Studies [ONLY TICKED UNITS]</p> <p>1. ✓ Introducing Translation: A brief history and significance of translation in a multi linguistic and multicultural society like India</p> <p>2. Exercises in different Types/modes of translation: a. Semantic/Literal b. Free sense/literary c. Functional/communicative d. Technical/Official e. Transcreation f. Audio-visual translation</p> <p>3. Introducing basic concepts and terms used in Translation Studies through relevant tasks: Equivalence, Language variety, Dialect, Idiolect, Register, Style, Mode, Code mixing/Switching. b. Defining the process of translation (analysis, transference, restructuring) through critical examination of standard translated literary/non-literary texts and critiquing subtitles of English and Hindi/Bengali films.</p> <p>4. ✓ Discussions on issues of gender and translation (Practice: Translation in Mass Communication/Advertising, subtitling, dubbing, Tasks of Translation in Business, Advertising, Using tools of technology for translation, machine/mobile translation, software for translating different kinds of texts with differing levels of complexity and for transliteration. Exercises to comprehend: Equivalence in translation, Structures, equivalence between the SL & TL at the lexical (word) and syntactical (sentence) levels. This will be done through tasks of retranslation and recreation, and making comparative study of cultures and languages. Resources for Practice: Dictionaries, Encyclopedias, Thesauri, Glossaries, Software of translation)</p> <p>Recommended Readings</p> <ul style="list-style-type: none"> • Baker, Mona, <i>In Other Words: A Coursebook on Translation</i>, Routledge, 2001. • <i>Routledge Encyclopedia of Translation Studies</i>. London and New York: Routledge, 2001. • 3 Sherry Simon, <i>Gender in translation: Cultural Identity and the Politics of Transmission</i>. New York: Routledge, 1996. • Catford, I. C. <i>A Linguistic Theory of Translation</i>. London: OUP, 1965. • Frishberg, Nancy J. <i>Interpreting: An Introduction. Registry of Interpreters</i>, 1990. • Gargesh, Ravinder and Krishna Kumar Goswami. (Eds.). <i>Translation and Interpreting: Reader and Workbook</i>. New Delhi: Orient Longman, 2007. • House, Juliana. <i>A Model for Translation Quality Assessment</i>. Tubingen: Gunter Narr, 1977. • Lakshmi, H. <i>Problems of Translation</i>. Hyderabad: Booklings Corporation, 1993. • Newmark, Peter. <i>A Textbook of Translation</i>. London: Prentice Hall, 1988. • Nida, E. A. and C. R. Taber. <i>The Theory and Practice of Translation</i>. Leiden: E. J. Brill, 1974. • Toury, Gideon. <i>Translation Across Cultures</i>. New Delhi: Bahri Publications Private Limited, 1987. 	<p>3(L)+1(T)</p> <p>4(L)+1(T)</p> <p>8 (L)+1(T)</p> <p>10(L)+2(T)</p> <p>25 Lectures + 5Tutorials = 30</p>
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OR

SEMESTER III

<p>SEC - 1</p> <p>B: Creative Writing</p> <ol style="list-style-type: none"> 1. What is Creative Writing 2. The Art and Craft of Writing Unit 3. Modes of creative Writing Unit 4. Writing for the Media 5. Preparing for Publication <p>Recommended Reading</p> <p><i>Creative writing: A Beginner's Manual</i> by Anjana Neira Dev and Others, Published by Pearson, Delhi, 2009.</p>	<p>2(L)+1(T)</p> <p>3(L)+1(T)</p> <p>4(L)+1(T)</p> <p>8(L)+1(T)</p> <p>8(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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SEMESTER IV

<p>✓ SEC - 2</p> <p>A: English Language Teaching</p> <ol style="list-style-type: none"> 1. Knowing the Learner OR Structures of the English Language 2. Methods of teaching English Language 3. Assessing Language Skills 4. Materials for Language Teaching OR Using Technology in Language Teaching <p>Recommended Readings</p> <ol style="list-style-type: none"> 1. Penny Ur, <i>A Course in Language Teaching: Practice and Theory</i> (Cambridge: CUP, 1996). 2. Marianne Celce-Murcia, Donna M. Brinton, and Marguerite Ann Snow, <i>Teaching English as a Second or Foreign Language</i> (Delhi: Cengage Learning, 4th edn, 2014). 3. Adrian Doff, <i>Teach English: A Training Course For Teachers (Teacher's Workbook)</i> (Cambridge: CUP, 1988). 4. <i>Business English</i> (New Delhi: Pearson, 2008). 5. R. K. Bansal and J. B. Harrison, <i>Spoken English: A Manual of Speech and Phonetics</i> (New Delhi: Orient BlackSwan, 4th edn, 2013). <p>Mohammad Aslam, <i>Teaching of English</i> (New Delhi: CUP, 2nd edn, 2009)</p>	<p>4(L)+1(T)</p> <p>6(L)+1(T)</p> <p>8(L)+2(T)</p> <p>7(L)+1(T)</p> <p>25 Lectures + 5 Tutorials = 30</p>
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OR

SEMESTER IV

<p>SEC - 2</p> <p>B: Film Studies</p> <ol style="list-style-type: none"> 1. Evolution of the Cinema: Silent Film, Talkie, Colour Film, Digital Age, 3D Films. 2. Cinematographic Technique: Panning of the Camera, Zooming, Fade in, Fade Out, Flashback, Close up, Long Shot, Reverse Shot. 3. Adaptation and Appropriation 4. Response and Review: (Illustrative film shows & appreciation programme to be arranged) 	<p>4(L)+1(T)</p> <p>8(L)+2(T)</p> <p>6(L)+1(T)</p> <p>7(L)+1(T)</p>
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Recommended Readings:

1. James Monaco. *How To Read a Film*. New York: OUP, 2009.
2. Andrew Dix. *Beginning Film Studies*. Manchester university Press, 2008.
3. Satyajit Ray. *Our Films, Their Films*. Orient Blackswan, 2001.
4. Satyajit Ray. *Deep Focus: Reflection on Indian Cinema*. Ed. Sandip Ray. Harper Collins India. 2011.

25 Lectures+
5Tutorials = 30

THE UNIVERSITY OF BURDWAN



Burdwan-713104, West Bengal

SYLLABUS FOR B.A. HONOURS

IN

HISTORY

UNDER SEMESTER WITH CBCS

(Effective from 2017- 18)

UG Syllabus BA (Hons.) CBCS Pattern – 2017

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester-I	CC Paper - I	History of India I (From Earliest Times to 600 AD)	6	75
	CC Paper - II	Social Formations & the Cultural Pattern of the Ancient World	6	75
	Generic Elective (GE) (Students of History Hons. should take Generic Elective Paper-I from other disciplines) However Hons. students belonging to other disciplines have to take the following GE Paper if they choose History as Generic Elective)			
	GE Paper - I	History of India From Earliest Times to 300 AD)	6	75
	Ability Enhancement Courses (AEC)			
	AECC Paper - I	Environmental Studies	4	100
Total	4		22	325

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester - II	CC Paper - III	History of India II (600 - 1206 AD)	6	75
	CC Paper - IV	Social Formation and Cultural Pattern of the Medieval World	6	75
	Generic Elective (GE) Generic Elective (GE) (Students of History Hons. should take Generic Elective Paper – II from other discipline) However Hons. students belonging to other disciplines have to take the following GE Paper if they choose History as Generic Elective)			
	GE Paper - II	History of India From 300 to 1206 AD)	6	75
	Ability Enhancement Courses (AEC)			
	AECC Paper - II	Communicative English/MIL	2	50
Total	4		20	275

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester - III	CC Paper - V	History of India III (1206 - 1525 AD)	6	75
	CC Paper - VI	Rise of Modern West – I (15 th & 16 th Centuries)	6	75
	CC Paper - VII	History of India IV (1526 - 1757 AD)	6	75

	Generic Elective (GE) Generic Elective (GE) (Students of History Hons. should take Generic Elective Paper – III from other discipline) However Hons. students belonging to other disciplines have to take the following GE Paper if they choose History as Generic Elective)			
	GE Paper - III	History of India From 1206- 1707 AD)	6	75
	Skill Enhancement Courses (SEC)			
	SEC Paper - I	Archives & Museums in India Or Understanding Heritage	2	50
Total	5		26	350

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester - IV	CC Paper - VIII	Rise of Modern West – II (17 th & 18 th Centuries)	6	75
	CC Paper - IX	History of India - V (1758 - 1857)	6	75
	CC Paper - X	History of India VI (1858 - 1964)	6	75
	Generic Elective (GE) Generic Elective (GE) (Students of History Hons. should take Generic Elective Paper –IV from other discipline) However Hons. students belonging to other disciplines have to take the following GE Paper if they choose History as Generic Elective)			
	GE Paper - IV	History of India From 1707-1950 AD)	6	75
	Skill Enhancement Courses (SEC)			

	SEC Paper - II	Understanding Popular Culture Or Art Appreciation: An introduction to Indian Art	2	50
Total	5		26	350

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester - V	CC Paper - XI	History of Modern Europe I (1789 - 1870)	6	75
	CC Paper - XII	Studying History Writing: Indian & Western	6	75
	Discipline Specific Elective (DSE)			
	DSE Paper - I	Life & Culture in Pre-Colonial Bengal OR History of the United States of America (1776-1864)	6	75
	DSE Paper - II	Life & Culture in Colonial Bengal OR History of the United States of America	6	75

		(1865 - 1945)		
Total	4		24	300

Semester	Courses Offered	Name of the Course/Paper	Credit	Full Marks
	Core Courses (CC)			
Semester - VI	CC Paper - XIII	History of Modern Europe II(1871-1945)	6	75
	CC Paper - XIV	Making of the Contemporary World (1946 – 2000)	6	75
	Discipline Specific Elective (DSE)			
	DSE Paper - III	History of Modern East Asia (1840-1919) OR History of the USSR (1917 - 1945)	6	75
	DSE Paper - IV	History of China & Japan(1919-1949) OR History of the USSR (1945-1964)	6	75
Total	4		24	300

Semester - I
Hons. Core Course
Paper – I
6 credits, Total 75 marks (60 + 15)

HISTORY OF INDIA- I (From Earliest timesto 600 AD)

Total – 60 Lectures

I. Reconstructing Ancient Indian History

Early Indian notions of History – Sources and tools of historical reconstruction – Historical interpretations with special reference to gender, environment, technology, and regions.

II. Phases of Pre-historic Cultures

Paleolithic, Mesolithic & Neolithic cultures- regional and chronological distribution; new developments in technology and economy; subsistence, and patterns of exchange; Mehargarh - The advent of food production

III. The Harappan civilization

Origins; Antiquity and Extent settlement patterns and town planning; agrarian base; craft productions and trade; social and political organization; religious beliefs and practices; art; the problem of urban decline and the late/post-Harappan traditions. Development of Neolithic and Chalcolithic cultures in post Harappan period.

IV. Cultures in transition

Coming of the Aryans and Aryan Debate, Vedic Literature, expansion of Brahmanism to Aryavarta, Vedic religion and philosophy; Vedic economy and society.

Religious protest movements; Second Urbanisation, Sixteen Mahajanpadas to the rise of Magadha.

V. Changing political formations (circa 300 BCE to circa CE 300):

The Mauryan Empire & politics- Asoka and the Fall of the Mauryas
Post-Mauryan Polities with special reference to the Kushanas and the Satavahanas; Gana-Sanghas. Rise of the Guptas, development of Gupta Empire, Gupta Art, Architecture and Literature

VI. Society Economy and Culture in Early India

Agrarian expansion: land grants, changing production relations; graded Land rights and peasantry.

Urban growth: north India, central India and the Deccan; craft production: trade and trade routes; coinage

Social stratification: class, varna, jati, untouchability; gender; marriage and property relations the problem of urban decline: patterns of trade,

currency, and urban Settlements.

ESSENTIAL READINGS

1. R.S. Sharma, *India's Ancient Past*, New Delhi, OUP, 2007
2. Romila Thapar, *Readings in Early Indian History*, New Delhi, OUP, 2013
3. Romila Thapar, *Bharat Barsher Itihas*, New Delhi, Orient Longman
4. Rajan Gurukkal, *Social Formations of Early South India*, OUP 2010.
5. Ram Sharan Sharma *Prachin Bharater Samajik O Arthanik Itihas* New Delhi, Orient Longman
6. Ram Sharan Sharma *Bharater Prachin Atit*, New Delhi, Orient Longman
7. Ram Sharan Sharma, *Prachin Bharater Bostugata Sanskriti O Samaj Gathan*, New Delhi, Orient Longman
8. Ranabir Chakraborty, *Bharat Itihaser Adiparba*, New Delhi, Orient Longman
9. Romila Thapar, *Asoka and the Decline of the Mauryas*, New Delhi, OUP, 1997
10. Romila Thapar, *Cultural Past: Essays in Early Indian History*, New Delhi, OUP, 2013
11. Thomas R. Trautman ed., *The Aryan Debate*, New Delhi, OUP, 2005
12. Romila Thapar, *From Lineage to State*, New Delhi, OUP, 1984
13. Bhairabi Prasad Sahu, *Iron and Social Change in Early India*, New Delhi, OUP, 2006
14. R.S. Sharma, *Material Culture and Social Formations in Ancient India*, New Delhi, OUP, 1983.
15. R. Champakalakshmi, *Trade. Ideology and urbanization: South India 300 BC- AD 1300*, New Delhi, OUP, 1996.
16. Uma Chakravarti, *The Social Dimensions of Early Buddhism* 1997.
17. R.S. Sharma, *Looking for the Aryas*, Delhi, Orient Longman Publishers, 1995

18. A. L. Basham, *The Wonder that Was India*, 1971.
19. D. K. Chakrabarti, *The Archaeology of Ancient Indian Cities*, 1997, Paperback.
20. Dilip Kumar Chakrabarti, *India – An Archaeological History*, New Delhi, OUP, 1999
21. Dilip Kumar Chakrabarti, *The Oxford Companion to Indian Archaeology*, New Delhi, 2006.
22. H. C. Raychaudhuri, *Political History of Ancient India*, Rev. ed. with Commentary by B. N. Mukherjee, 1996
23. K. A. N. Sastri, ed., *History of South India*, OUP, 1966.
24. Upinder Singh, *A History of Ancient and Early Medieval India*, 2008.

চক্রবর্তী রনবীর, ভারতইতিহাসরআদিপর্ব (প্রথমখণ্ড), ওরিয়েন্ট লংম্যান, ২০০৭

চক্রবর্তী রনবীর, প্রাচীনভারতরঅর্থনৈতিরইতিহাসরসঙ্কান, আনন্দ পাবলিশার্স, ২০০২ (দ্বিতীয়সংস্করণ)

চক্রবর্তী রনবীরপ্রমুখসম্পাদিত, সমাজসংস্কৃতি ইতিহাস, আনন্দ, ২০০০

চক্রবর্তী দিলীপকুমার, ভারতবর্ষরপ্রাগিতিহাস, আনন্দ, ১৯৯৯

ভট্টাচার্য নরেন্দ্রনাথ, ধর্ম ও সংস্কৃতি (প্রাচীনভারতীয়প্রসঙ্গপট), আনন্দ, ১৯৯৬

ভট্টাচার্য নরেন্দ্রনাথ, প্রাচীনভারত রাষ্ট্রচিন্তা ও রাষ্ট্রব্যবস্থা, জনারল, ১৯৯৫

চট্টোপাধ্যায়ভাস্কর, ভারতরসংস্কৃতি, প্রগ্রসিভপাবলিশার্স, ২০০০

চট্টোপাধ্যায়ভাস্কর, ভারতরআর্থ-সামাজিক ও রাষ্ট্রীয়ব্যবস্থা, প্রগ্রসিভপাবলিশার্স, ২০০১

চট্টোপাধ্যায়ভাস্কর, গীড়-বঙ্গরইতিহাস ও সংস্কৃতি (প্রথমভাগ), প্রগ্রসিভপাবলিশার্স, ২০০৩

ভট্টাচার্য সুকুমারী, প্রাচীনভারত, সমাজ ও সাহিত্য, আনন্দ, ২০০১

মজুমদার রমশচন্দ্র, বাংলা দশরইতিহাস, প্রাচীনযুগ, জনারল, ১৯৮৮

শর্মা রামশরণ, ভারতরপ্রাচীনঅতীত, (অনুবাদ: গীতম নিয়োগী ও সত্যসীরভজানা), ওরিয়েন্ট ব্ল্যাকসায়ান, ২০১১

শর্মা রামশরণ, প্রাচীনভারতরসামাজিক ও অর্থনৈতিরইতিহাস (অনুবাদ: অঞ্জনগাঙ্গামী), ওরিয়েন্ট লংম্যান, ১৯৯৬

মুখাপাধ্যায় ব্রতীন্দ্রনাথ - বঙ্গ, বাঙ্গালা ও ভারত, প্রগ্রসিভপাবলিশার্স, ২০০০

রায়, নীহাররঞ্জন, বাঙালির ইতিহাস, দ'জপাবলিশাস

সিনহা গৌরব, প্রাগৈতিহাসিক ও বৈদিক যুগে ভারত, ইউনাইটেডে বুক এজেন্সি

Semester - I

Hons. Core Paper

PAPER II

6 credits, Total 75 marks (60 + 15)

Total – 60 Lectures

SOCIAL FORMATIONS AND CULTURAL PATTERNS OF THE ANCIENT WORLD

- I. Evolution of human Society& Food production : Beginnings of agriculture and animal husbandry**
- II. Bronze Age Civilizations in general with reference to Mesopotamia (upto the Akkadian Empire)- economy, social stratification, state structure and religion**
- III. Nomadic groups in Central and West Asia:Debate on the advent of iron and its implications**
- IV. Polis in ancient Greece: origin, features,nature and class composition; Sparta and Athens; decline of the Polis**
- V. Peloponnesian War: Origin; Resources of belligerents; Course of war; Melos, Mytilene, Periclean strategy; Sicilian expedition**
- VI Greek Culture and Religion: Sophists, Socrates, Games, Drama, Art and Architecture, Greek Gods**

ESSENTIAL READINGS

- 1) Burns and Ralph.*World Civilizations.*
- 2) Cambridge *History of Africa, Vol. I.*
- 3) Gordon Childe, *What Happened in History.*

- 4) Clark, *World Prehistory: A New Perspective*.
- 5) Fagan, *People of the Earth*.
- 6) Amar Farooqui, *Early Social Formations*.
- 7) Finley, *The Ancient Economy*.
- 8) Jacquetta Hawkes, *First Civilizations*.
- 9) Roux, *Ancient Iraq*.
- 10) BaiShaoyi, *An Outline History of China*.
- 11) W. F. Saggs, *The Greatness that was Babylon*.
- 12) Trigger, *Ancient Egypt: A Social History*.
- 13) UNESCO Series: History of Mankind, Vols. I - III.
history

SUGGESTED READINGS

- 14) E. M. Ste Croix, *Class Struggles in the Ancient Greek World*.
- 15) D. Bernal, *Science in History*, Vol. I.
- 16) Gordon Childe, *Social Evolution*.
- 17) Glyn Daniel, *First Civilizations*.
- 18) Hauser, *A Social History of Art*, Vol. I.

বিশ্বাসঅরুপকুমার, সভ্যতারস প্রত্নতত্ত্ব, লাক, ২০১০

দাশ, সুপ্রতিম, গ্রীসঅনুসন্ধান, কলকাতা :প্রত্নসিভপাবলিশার্স, ১৯৯৯

চট্টোপাধ্যায়, সুনীল, প্রাচীনযুগরগ্রীসরইতিহাস, কলকাতা :পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ১৯৮৮

লাহিড়ী, রবতী মাহন, প্রাচীনগ্রীসরইতিহাস,

মুখাপাধ্যায়, হীরন্দ্রনাথ, গ্রীসরপুরাকাহিনী,

ঘাষ, জীতন্দ্রকুমার, গ্রীক ট্রাজডির তিনকবি,

ভদ্র, সুজাত, ও চট্টোপাধ্যায়, কুনাল, প্রাচীনগ্রীসরসমাজ ও সংস্কৃতি,

চক্রবর্তী, অলাককুমার, প্রাচীনগ্রীসরইতিবৃত্ত, কলকাতা :প্রাণসিভবুকফারাম, ১৯৯২

সনগুপ্ত, গ্রীতশ্রী বন্দনা, পলাপনসীয়ুদ্ব, কলকাতা :পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ১৯৭৯

Semester – II
Hons. Core Paper
PAPER III
6 credits, Total 75 marks (60 + 15)
HISTORY OF INDIA II (600 –1206 AD)
Total – 60 Lectures

I. Studying Early Medieval India

Historical Geography – Sources: texts, epigraphic and numismatic data Debates on Indian feudalism, rise of the Rajputs and the nature of the state

II. Political Structures

Evolution of political structures: North India- Harsha, Sasanka, Pala, Sena and Pratiharas, Rise of Rajputs

Evolution of political structures: South India –Chalukyas of Badami, Rashtrakutas, Cholas.

Legitimization of kingship; brahmanas and temples; royal genealogies and rituals

III. Arrival of Islam in India

Arab conquest of Sindh: nature and impact of the new set-up; Causes and consequences of early Turkish invasions: Mahmud of Ghazni; Shahab-ud-Din of Ghur

IV. Agrarian Structure and Social Change

Land grants; Agricultural expansion; the feudal debate
Proliferation of castes; status of untouchables

V. Trade and Commerce

Inter-regional trade

Maritime trade

Forms of exchange

Process of urbanization and de urbanization

Merchant guilds of South India

VI. Religious and Cultural Developments

Bhakti, Tantricism, Puranic traditions; Buddhism and Jainism; Popular religious cults

Islamic intellectual traditions: Al-Biruni; Al-Hujwiri

Regional languages and literature

Art and architecture: Evolution of regional styles

ESSENTIAL READINGS

- 1) Satish Chandra, *History of Medieval India*, (800-1700) New Delhi, Orient Longman
- 2) R.S. Sharma, *Indian Feudalism* (circa 300 - 1200). New Delhi, OUP, 2013
- 3) B.D. Chattopadhyaya, *The Making of Early Medieval India*. New Delhi, OUP, 2013
- 4) Irfan Habib, *Akbar and His India*, New Delhi, OUP, 2013
- 5) Sunil Kumar, *Emergence of the Delhi Sultanate* New Delhi, OUP, 2013
- 6) Aniruddha Ray, *Madhyajuger Bharater Itihaas, Sultani Amol* New Delhi, OUP, 2013
- 7) Satish Chandra, *Essays on Medieval Indian History*, New Delhi, OUP, 2005
- 8) R.S. Sharma and K.M. Shrimali, eds, *Comprehensive History of India*, Vol. IV (A & B).
- 9) Mohammad Habib and K.A. Nizami, eds, *Comprehensive History of India*, Vol. V, The Delhi Sultanate
- 10) Hermann Kulke, ed., *The State in India* (AD 1000 - AD 1700).

- 11) N. Karashima, *South Indian History and Society* (Studies from Inscriptions, AD 850 -1800
- 12) K.A. Nilkanta Sashtri, *A History of South India*, New Delhi, OUP, 2017 (Reprint)
- 13) Derryl N. Maclean, *Religion and Society in Arab Sindh*.
- 14) Irfan Habib, *Medieval India: The Study of a Civilization*.

SUGGESTED READINGS

- 15) Richard Davis *Lives of Indian Images*.
- 16) Romila Thapar, *Somanatha: The Many Voices of a History*.
- 17) John S. Deyell, *Living Without Silver: The Monetary History of Early Medieval North India*.
- 18) Vijaya Ramaswamy, *Walking Naked: Women, Society, and Spirituality in South India*.

19) Burton Stein, *Peasant State and Society in Medieval South India*.

20) R. Champakalakshmi, *Trade, Ideology and Urbanization: South India, 300 BC to 1300 AD*.

- চক্রবর্তী রনবীর, ভারতইতিহাসরআদিপর্ব (প্রথমখন্ড), ওরিয়েন্ট লংম্যান, ২০০৭
চক্রবর্তী রনবীর, প্রাচীনভারতরঅর্থনৈতিকইতিহাসরসঙ্কান, আনন্দ পাবলিশার্স, ২০০২ (দ্বিতীয়সংস্করণ)
চক্রবর্তী রনবীরপ্রমুখসম্পাদিত, সমাজসংস্কৃতি ইতিহাস, আনন্দ, ২০০০
চক্রবর্তী দিলীপকুমার, ভারতবর্ষরপ্রাগিতিহাস, আনন্দ, ১৯৯৯
ভট্টাচার্য নরেন্দ্রনাথ, প্রাচীনভারতীয়সমাজ, পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ২০০১
ভট্টাচার্য নরেন্দ্রনাথ, ধর্ম ও সংস্কৃতি (প্রাচীনভারতীয়প্রক্ষাপট), আনন্দ, ১৯৯৬
ভট্টাচার্য নরেন্দ্রনাথ, ভারতীয়ধর্মরইতিহাস, জনারল, ২০০০
ভট্টাচার্য নরেন্দ্রনাথ, প্রাচীনভারত রাষ্ট্রচিন্তা ও রাষ্ট্রব্যবস্থা, জনারল, ১৯৯৫
চট্টোপাধ্যায়ভাস্কর, ভারতরসংস্কৃতি, প্রগ্রসিভপাবলিশার্স, ২০০০
চট্টোপাধ্যায়ভাস্কর, ভারতরঅর্থ-সামাজিক ও রাষ্ট্রীয়ব্যবস্থা, প্রগ্রসিভপাবলিশার্স, ২০০১
চট্টোপাধ্যায়ভাস্কর, গাঁড়-বঙ্গরইতিহাস ও সংস্কৃতি (প্রথমভাগ), প্রগ্রসিভপাবলিশার্স, ২০০৩
ভট্টাচার্য সুকুমারী, প্রাচীনভারত, সমাজ ও সাহিত্য, আনন্দ, ২০০১
মজুমদার রমশচন্দ্র, বাংলা দশরইতিহাস, প্রাচীনযুগ, জনারল, ১৯৮৮
শর্মা রামশরণ, ভারতরপ্রাচীনঅতীত, (অনুবাদ: গীতম নিয়োগী ও সত্যসীরভজানা), ওরিয়েন্ট ব্ল্যাকসায়ান, ২০১১
শর্মা রামশরণ, প্রাচীনভারতরসামাজিক ও অর্থনৈতিকইতিহাস (অনুবাদ: অঞ্জনগাঙ্গামী), ওরিয়েন্ট লংম্যান, ১৯৯৬
মুখাপাধ্যায় ব্রতীন্দ্রনাথ - বঙ্গ, বাঙ্গালা ও ভারত, প্রগ্রসিভপাবলিশার্স, ২০০০
রায়, নীহাররঞ্জন, বাঙালির ইতিহাস, দ'জপাবলিশার্স

Semester – II
Hons. Core Paper
PAPER IV

6 credits, Total 75 marks (60 + 15)

Social Formation and Cultural Pattern of the Medieval World

Total – 60 Lectures

I. Roman Republic

Its Significance, Constitution, Law, & Society,
Agrarian economy, urbanization & trade Economy
Growth of Slavery & slave society in ancient Rome

**II. Religion, culture, literature and Philosophy
in ancient Rome**

III. Crises of the Roman Empire & transition toPrincipate

IV. Economic developments in Europe (7th to 14th centuries) Feudalism, Organization of production, towns and trade, technological developments. Crisis of feudalism.

V. Religion and culture in medieval Europe

VI. Societies in Central Islamic Lands

The tribal background, ummah, Caliphate state; rise of Sultanates
Religious developments: the origins of shariah, Mihna, Sufism
Urbanization and trade

ESSENTIAL READINGS

- 1) Perry Anderson, *Passages from Antiquity to Feudalism*.
- 2) Marc Bloch, *Feudal Society*, 2 Vols.
- 3) Cambridge *History of Islam*, 2 Vols.
- 4) Georges Duby, *The Early Growth of the European Economy*.
- 5) Fontana, *Economic History of Europe*, Vol. I (relevant chapters).
- 6) P. K. Hitti, *History of the Arabs*.
- 7) P. Garnsey and Saller, *The Roman Empire*.
- 8)

SUGGESTED READINGS

- 9) S. Ameer Ali, *The Spirit of Islam*.
- 10) J. Barrowclough, *The Medieval Papacy*.
- 11) Encyclopedia of Islam, 1st ed., 4 vols.
- 12) M. G. S. Hodgson, *The Venture of Islam*.

বন্দাপাধ্যায় গাঁরীশংকর, প্রাচীনরামরইতিহাস, প্রগ্রসিভপাবলিশাঙস্তু

দত্ত, নির্মলাচন্দ্র, মধ্যযুগরইউরাপ (দুইখন্ড), কলকাতা : পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ১৯৮৪

রায়, পুলকশ, মধ্যযুগরইউরাপ :রষ্ট্রসমাজসংস্কৃতি, কলকাতা : প্রগ্রসিভপাবলিশার্স, ১৯৯৫

Semester - III

Hons. Core Paper PAPER V

6 credits, Total 75 marks (60 + 15)

HISTORY OF INDIA III (circa 1206 CE–circa 1525 CE)

Total – 60 Lectures

I. Sources for studying/Interpreting the Delhi Sultanate

Survey of sources: Persian tarikh tradition; vernacular histories; epigraphy

II. Sultanate Political Structures

Foundation, expansion and consolidation of the Sultanate of Delhi; The Khaljis and the Tughluqs; Mongol threat and Timur's invasion; The Lodis: Conquest of Bahlul and Sikandar; Ibrahim Lodi and the battle of Panipat

Theories of kingship;

Ruling elites; Sufis, ulama and the political authority; imperial monuments and coinage

III. Regional Political structures

Emergence of provincial dynasties: Bahamanis, Vijayanagar and Bengal

Consolidation of regional identities; regional art, architecture and literature

IV. Sultanate Society and Economy-1

Iqta and the revenue-free grants

Agricultural production;

V. Sultanate Society and Economy-2

Changes in rural society; revenue systems

Monetization; market regulations; growth of urban centers; trade and commerce; Indian Ocean trade

IV. Religion and Culture

Sufi silsilas: Chishtis and Suhrawardis; doctrines and practices; social roles

Bhakti movements and monotheistic traditions in South and North India;

Women Bhaktas;

Nathpanthis; Kabir, Nanak and the Sant tradition

ESSENTIAL READINGS

- 1) Mohammad Habib and K.A. Nizami, eds, *Comprehensive History of India, Vol. V, The Delhi Sultanate.*
- 2) Satish Chandra, *Medieval India I.*
- 3) Peter Jackson, *The Delhi Sultanate.*
- 4) Catherine Asher and Cynthia Talbot, *India Before Europe.*
- 5) Tapan Raychaudhuri and Irfan Habib, eds, *Cambridge Economic History of India, Vol. I.*
- 6) K.A. Nizami, *Religion and Politics in the Thirteenth Century.*
- 7) W.H. McLeod, Karine Schomer, et al, Eds, *The Saints.*

8) S.A.A. Rizvi, *A History of Sufism in India*, Vol. I.

9) MohibulHasan, *Historians of Medieval India*.

রায়, অনিরুদ্ধ, মধ্যযুগরভারতরইতিহাস : সুলতানী আমল, কলকাতা : গুরিয়ন্ট লংম্যান, ২০০৫

Semester – III

Hons. Core Paper

PAPER VI

6 credits, Total 75 marks (60 + 15)

RISE OF THE MODERN WEST – I (15th& 16th centuries)

Total – 60 Lectures

- I. Transition from feudalism to capitalism: problems and theories.**
- II. Early colonial expansion: motives, voyages and explorations; the conquests of the Americas: beginning of the era of colonization; mining and plantation; the African slaves.**
- III. Renaissance: its social roots, city-states of Italy; spread of humanism in Europe; Art.**
- IV. Origins, course and results of the European Reformation in the 16th century.**
- V. Economic developments of the sixteenth century: Shift of economic balance from the Mediterranean to the Atlantic; Commercial Revolution; Influx of American silver and the Price Revolution.**
- VI. Emergence of European state system: Spain; France; England;**

ESSENTIAL READINGS

T.S. Aston and C. H. E. Philpin (eds.), *The Brenner Debate* H.

Butterfield, *The Origins of Modern Science*.

Carlo M. Cipolla, *Fontana Economic History of Europe*, Vols. II and III.

Carlo M. Cipolla, *Before the Industrial Revolution*, *European Society and*

Economy. 1000 -1700. 3rd ed. (1993)
D. C. Coleman (ed.), Revisions in Mercantilism.
Ralph Davis, The Rise of the Atlantic Economics. Maurice
Dobb, Studies in the Development of Capitalism. J. R. Hale,
Renaissance Europe.
R. Hall, From Galileo to Newton. Christopher Hill,
A Century of Revolutions.
Rodney Hilton, Transition from Feudalism to Capitalism.
H. G. Koenigsberger and G. L. Mosse, Europe in the Sixteenth Century.
Stephen J. Lee, Aspects of European History, 1494 - 1789. G.
Parker, Europe in Crisis. 1598- 1648.
G. Parker and L. M. Smith, General Crisis of the Seventeenth Century.
J. H. Parry, The Age of Reconnaissance.
MeenaxiPhukan, Rise of the Modern West: Social and Economic History of
Early Modern Europe.
V. Poliensiky, War and Society in Europe, 1618 - 48.
Theodore K. Rabb, The Struggle for Stability in Early Modern Europe.
V. Scammell, The First Imperial Age: European Overseas Expansion, 1400
- 1715.
Jan de Vries, Economy of Europe in an Age of Crisis 1600 û 1750.

SUGGESTED READINGS

M. S. Anderson, Europe in the Eighteenth Century.
Perry Anderson, The Lineages of the Absolutist State.
Stuart Andrews, Eighteenth Century Europe.
B. H. Slicher von Bath, The Agrarian History of Western Europe. AD. 500 -
1850.
The Cambridge Economic History of Europe. Vol. I - VI.
James B. Collins, The State in Early Modern France: New Approaches to
European
History.
G. R. Elton, Reformation Europe, 1517 û 1559.
M. P. Gilmore, The World of Humanism. 1453 -1517.
Peter Kriedte, Peasants, Landlords and Merchant Capitalists. J.
Lynch, Spain under the Hapsburgs.
Peter Mathias, First Industrial revolution.
Harry Miskimin, The Economy of Later Renaissance Europe: 1460 û 1600.
Charles A. Nauert, Humanism and the Culture of the Renaissance (1996).
The New Cambridge Modern History of Europe, Vols. I -VII. L. W.
Owie, Seventeenth Century Europe.
D. H. Pennington, Seventeenth Century Europe.
F. Rice, The Foundations of Early Modern Europe.

দত্ত, নির্মলচন্দ্র, মধ্যযুগরইউরাপ (দুইখন্ড), কলকাতা : পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ১৯৮৪
রায়, পুলকশ, মধ্যযুগরইউরাপ :রাষ্ট্রসমাজসংস্কৃতি, কলকাতা : প্রগতিশীলপাবলিশার্স, ১৯৯৫
চক্রবর্তী, ভাস্কর, সুভাষরঞ্জন চক্রবর্তী, কিংশুক চট্টোপাধ্যায়, ইউরাপরযুগান্তর, কলকাতা :নবভারতী

প্রকাশনী, ২০০৫

মুখাপাধ্যায়, সুবোধকুমার, আধুনিকইউরাপেরআদিপর্বরূপান্তর (১৪০০-১৭০০), কলকাতা : ক পি বাগচী এন্ডকাম্পানী, ২০০৪

রায়, উজ্জ্বল, বিবর্তনরপথইউরাপ ১৫-১৭ শতাব্দী, কলকাতা :সতু প্রকাশনী, ২০১১

রায়, পুলকশ, সায়ন্তন দাস, উত্তরনরপথইউরাপ, কলকাতা :প্রগ্রসিভপাবলিশার্স, ২০০৪

দত্ত, নির্মলচন্দ্র, মধ্যযুগথকইউরাপেরআধুনিকতায়উত্তরণ, কলকাতা : মিত্রম, ২০০৭

মল্লিক, সুবোধকুমার, যুগসন্ধিক্ষণইউরাপ (১৪০০-১৭০০) কলকাতা : শান্তা, ২০১২

মুখার্জী, রীলা, রূপান্তরিত ইউরাপ (৯০০-১৮০০), কলকাতা : প্রগ্রসিভ, ২০০৪

ত্রিপাঠী, অমলশ, ইতালীররনশাস ও বাঙালির সংস্কৃতি, কলকাতা : আনন্দ

Semester - III

Hons. Core Paper PAPER VII

6 credits, Total 75 marks (60 + 15)

HISTORY OF INDIA IV (1526 – 1757 CE)

Total – 60 Lectures

I. Sources and Historiography

Persian literary culture; translations

Literature in regional languages.

II. Establishment of Mughal rule

Babur's invasion of India - Struggle for Empire in North India –significance of Babar and Humayun's reign - Significance of Afghan despotism and rise of Sher Shah to power, His administrative and revenue reforms`

III. Akbar &Consolodation of Mughal Empire

Akbar's Conquests - his Rajput Policy & administrative and religious reforms, Reign of Jahangir, Nurjahan- her role in imperial politics; The Mughals and the North Western frontier and central Asia.Making of a new imperial system and administration, the Mughal nobility, Mansab and Jagir.

IV. Mughal Empire Under Aurangazeb

State and religion under Aurangzeb; issues in the war of succession; policies regarding Religious groups and Institutions -Conquests and limits of expansion - Beginning of the crisis: contemporary perceptions; agrarian and Jagir crises; revolts. Inland and ocean trade network.

V. Mughal Art, Architecture & Painting

VI. Patterns of Regional Politics

Rajput political culture and state formation -Rise of Maratha power under Shivaji, & expansion under the Peshwas - emergence of regional powers – case studies of Maharashtra, Awadh and Bengal; Bengal Nawabs and the rise of the English East India Company in Bengal. Debate of the 18th Century on the decline of the Mughal Empire;

Essential Readings:

- J.N. Sarkar, History of Aurangzeb, New Delhi, Orient Longman,
Shekhar Byandyopadhyay, Plassey to Partition, New Delhi, Orient Longman,
Chandra, Satish : History of Medieval India (800-1700) , Orient Longman, 2007
-----: Essays on Medieval Indian History, OUP, 2003
-----: State, Society and Culture in Indian History, OUP, 2012
Alam, Muzaffar and Subrahmanyam, Sanjoy: The Mughal State, OUP 2000
Alam, Muzaffar, The Crisis of India in Mughal North India, New Delhi, OUP 2013
Mukhia, H: Perspectives on Medieval India, Delhi 1994
Ali, M, Athar: Mughal India Studies in Polity, Ideas, society and culture, New Delhi, OUP, 2013
Roy Chudhury T K and HabibIrfan (ed): The Cambridge Economic History of India Vol. I
Seema Alavi, ed., The Eighteenth Century in India, New Delhi, OUP, 2002
Hasan S N: Religion, State and Society in Medieval India
Chudhuri KN: Trade and Civilization in Indian Ocean
HabibIrfan: Technology in Medieval India 650-1750
-----: The Agrarian System of Mughal India 1556-1707, OUP, 2014 (third edition)
C.A. Bayly, Rulers, Townsmen & Bazaars, New Delhi, OUP, 2012
P.J. Marshall, The Eighteenth Century in Indian History, New Delhi, OUP, 2003

Richards J F: The Mughul Empire
Tripathi R P: The Rise and Fall of the Mughul Empire
Some Aspects of Muslim administration
BhadraGoutam: MughulJugeKrishiArthaniti O KrishokBidroha
ChudhuryBinoyBhusan: BanglarKrishiSamajerGathan
MukhopadhyayHirendranath: BharatbarsherIthihas
Sarkar J N: MughulArthanithi: SangathanEbongKarjakram
Roy Anirudha: Mughal JugerArthanaitikIthihas
Mukhopadhyay S K: MadhyajugerBharaterAdhunikJiban.

Suggested Readings:

Kulkarni, A.R :Maharastrain the Age of Shivaji, Pune 2002
Meheta, J.L: Advanced History of Medieval India 3 Vols Delhi Sterling Publiction
Mishra, Satish: Rise of Muslim Power in Gujrat
Khan I A: Gunpowder and Fire Arms: warfare in medieval India

Semester - IV
Hons. Core Paper
PAPER VIII
6 credits, Total 75 marks (60 + 15)

RISE OF THE MODERN WEST II (17th& 18th centuries)
Total – 60 Lectures

- I. 17th century European crisis: economic, social and political dimensions**
- II. The English Revolution: major issues; political and intellectual currents**
- III. Rise of modern science in relation to European society from the Renaissance to the 17th century**
- IV. Mercantilism and European economics; 17th and 18thcenturies**
- V. European politics in the 18th century: parliamentarymonarchy; patterns of Absolutism in Europe**

VI. Prelude to the Industrial Revolution

- T.S. Aston and C.H.E. Philpin (eds.), *The Brenner Debate*. H. Butterfield, *The Origins of Modern Science*.
- Carlo M. Cipolla, *Fontana Economic History of Europe*, Vols. II and III.
- Carlo M. Cipolla, *Before the Industrial Revolution, European Society and Economy, 1000 -1700*. 3rd ed. (1993)
- D.C. Coleman (ed.), *Revisions in Mercantilism*.
- Ralph Davis, *The Rise of the Atlantic Economics*. Maurice Dobb, *Studies in the Development of Capitalism*.
- J.R. Hale, *Renaissance Europe*.
- R. Hall, *From Galileo to Newton*. Christopher Hill, *A Century of Revolutions*.
- Rodney Hilton, *Transition from Feudalism to Capitalism*.
- H.G. Koenigsberger and G.L. Mosse, *Europe in the Sixteenth Century*.
- Stephen J. Lee, *Aspects of European History, 1494 - 1789*.
- G. Parker, *Europe in Crisis, 1598 - 1648*.
- G. Parker and L.M. Smith, *General Crisis of the Seventeenth Century*.
- J.H. Parry, *The Age of Reconnaissance*.
- Meenaxi Phukan, *Rise of the Modern West: Social and Economic History of Early Modern Europe*.
- V. Poliensiky, *War and Society in Europe. 1618 -48*.
- Theodore K. Rabb, *The Struggle for Stability in Early Modern Europe*.
- V. Scammell, *The First Imperial Age: European Overseas Expansion, 1400-1715*.
- Jan de Vries, *Economy of Europe in an Age of Crisis 1600 û 1750*.

SUGGESTED READINGS

- M. S. Anderson, *Europe in the Eighteenth Century*. Perry Anderson, *The Lineages of the Absolutist State* Stuart Andrews, *Eighteenth Century Europe*.
- B. H. Slicher von Bath, *The Agrarian History of Western Europe*.AD. 500 - 1850.
- The Cambridge Economic History of Europe*.Vol.I - VI.
- James B. Collins, *The State in Early Modern France, New Approaches to European History*.
- G. R. Elton, *Reformation Europe, 1517 û 1559*.
- M. P. Gilmore, *The World of Humanism. 1453 û-1517*.Peter Kriedte, *Peasants, Landlords and Merchant Capitalists*. J. Lynch, *Spain under the Hapsburgs*.
- Peter Mathias, *First Industrial revolution*.
- Harry Miskimin, *The Economy of Later Renaissance Europe: 1460 û 1600*.
- Charles A. Nauert, *Humanism and the Culture of the Renaissance* (1996).
- The New Cambridge Modern History of Europe, Vols.I - VII*. L. W. Owie, *Seventeenth Century Europe*.

D. H. Pennington, Seventeenth Century Europe.
F. Rice, The Foundations of Early Modern Europe

দত্ত, নির্মলচন্দ্র, মধ্যযুগর ইউরাপ (দুই খন্ড), কলকাতা : পশ্চিমবঙ্গ রাজ্য পুস্তক পর্ষদ, ১৯৮৪
রায়, পুলকশ, মধ্যযুগর ইউরাপ :রষ্ট্র সমাজ সংস্কৃতি, কলকাতা : প্রগ্রসিভ পাবলিশার্স, ১৯৯৫
চক্রবর্তী, ভাস্কর, সুভাষরঞ্জন চক্রবর্তী, কিংশুক চট্টাপাধ্যায়, ইউরাপর যুগান্তর, কলকাতা :নবভারতী
প্রকাশনী, ২০০৫
মুখাপাধ্যায়, সুবাহকুমার, আধুনিক ইউরাপর আদি পর্বর রূপান্তর (১৪০০-১৭০০), কলকাতা : ক পি
বাগচী এন্ড কাম্পানী, ২০০৪
রায়, উজ্জ্বল, বিবর্তনর পথ ইউরাপ ১৫-১৭ শতাব্দী, কলকাতা :সতু প্রকাশনী, ২০১১
রায়, পুলকশ, সায়ন্তন দাস, উত্তরনর পথ ইউরাপ, কলকাতা :প্রগ্রসিভ পাবলিশার্স, ২০০৪
দত্ত, নির্মলচন্দ্র, মধ্যযুগ থকই উরাপর আধুনিকতায় উত্তরন, কলকাতা : মিত্রম, ২০০৭
মল্লিক, সুবাহকুমার, যুগসন্ধিক্ষণ ইউরাপ (১৪০০-১৭০০) কলকাতা : শাভা, ২০১২
মুখার্জী, রীলা, রূপান্তরিত ইউরাপ (৯০০-১৮০০), কলকাতা : প্রগ্রসিভ, ২০০৪
ত্রিপাঠী, অমলশ, ইতালীর রনশাস ও বাঙালির সংস্কৃতি, কলকাতা : আনন্দ,

Semester - IV
Hons. Core Course
PAPER IX

6 Credits, Total marks 75 (60 + 15)
HISTORY OF INDIA V (c. 1757- 1857)

Total – 60 Lectures

I. Foundations of Company's Rule

Early contestations between the Dutch, French and the British East India Company Bengal Nawabs and the battle of Plassey, Buxar and the grant of Dewani,

Anglo Mysore; Anglo Maratha and Anglo Sikh relations. The Subsidiary alliance and the Doctrine of Lapse.

II. Legitimization of Company's rule in India

Regulating Act; Pitt's India Act; Charter Acts of 1813, 1833 and 1853

Administrative , Military, Police and Educational Reforms

III. Rural Economy and Society

Land revenue systems. Permanent settlement, Rayatwari and Mahalwari

Commercialization of agriculture and indebtedness.

Rural society: change and continuity, Famines.

IV. Trade and Industry

De industrialization

Trade and fiscal policy

Drain of Wealth

Growth of modern industry

V. Renaissance and Reforms

Bengal Renaissance and Socio-religious Reforms: Rammohan Roy (Brahma Samaj), Young Bengal, Vidyasagar and Others

Educational Reforms initiated by the Company

VI. Popular Resistance

Santhal uprising (1856-7); Sanyasi Uprising, Kol Bhumij uprising, Wahabi Faraizi and Santhal Uprising

Revolt of 1857: causes and nature

ESSENTIAL READINGS

Laxmi Subramaniam, History of India, 1707 – 1857, New Delhi, Orient Longman,

Bipan Chandra, History of Modern India, New Delhi, Orient Longman

Sekhar Bandyopadhyay, Nationalist Movement in India, New Delhi OUP 2009

C. A. Bayly, Indian Society and the Making of the British Empire,
New Cambridge History of India.

Bipan Chandra, Rise and Growth of Economic Nationalism in India.

Suhash Chakravarty, The Raj Syndrome: A Study in Imperial
Perceptions, 1989.

J.S. Grewal, The Sikhs of the Punjab, New Cambridge History of
India

Ranajit Guha, ed., Subaltern Studies A Reader.

Dharma Kumar and Tapan Raychaudhuri, eds., The Cambridge
Economic History of India, Vol. II, New Delhi: Orient Longman Ltd, 1991 (reprint).

P.J. Marshall, Bengal: The British Bridgehead, New Cambridge History of India.

R.C. Majumdar, ed., History and Culture of Indian People, Vols. IX and X. British Paramountcy and Indian Renaissance.

Rajat K Roy, Palashir Sarayantra

Sushil Chaudhury, Palashir Ajana Kahini, Calcutta: Ananda Publisher, 2004

Rajat K. Ray, ed., Entrepreneurship and Industry in India, 1800-1947, Oxford India Readings.

Eric Stokes, English Utilitarians and India.

Sushil Chaudhury, From Prosperity to Decline Eighteenth Century Bengal, New Delhi: Manohar, 1995.

Sekhar Bandyopadhyay, From Plassey to Partition A History of Modern India, Orient Longman, 2004.

Ratnalekha Roy, Change in Bengal Agrarian Society C 1769-1850, Delhi, 1979.

SUGGESTED READINGS

David Arnold and Ramchandra Guha, eds, Nature, Culture and Imperialism.

Amiya Bagchi, Private Investment in India.

Bipan Chandra et al., India's Struggles for Independence.

A.R. Desai, Peasant Struggles in India.

R.P. Dutt, India today.

M.J. Fisher, ed., Politics of Annexation (Oxford India Readings).

Ranajit Guha, Elementary Aspects of Peasant Insurgency in Colonial India (1983).

P.C. Joshi, Rebellion 1857: A Symposium.

Dadabhai Naroji, Poverty and Un-British Rule in India.

Semester - IV
Hons. Core Course
Paper - X

HISTORY OF INDIA VI (1858-1964)

6 Credits, Total marks 75 (60 + 15)

Total – 60 Lectures

G. The aftermath of 1857

Queen's Proclamation; The Indigo rebellion, The Deccan Riots, The growth of the new middle class; the age of associations, The Aligarh movement, The Arya and the Prarthana Samaj

II. The early phase of Indian Freedom Movement

Historiography of Indian Nationalism; Birth of Indian National Congress, The Moderates and the Extremists, Partition of Bengal, the Swadeshi movement, Muslim League, Morle Minto Reforms; Revolutionaries in India and abroad, the Lucknow pact

III The Gandhian era

Gandhi's rise to power, Rowlatt Satyagraha, Montagu Chelmsford reforms; Khilafat and Non-co-operation movement, The Swarajya party, Poona Pact, Civil Disobedience Movement, Quit India Movement;

IV Towards freedom

Government of India Act 1935, The rise of the leftist movements, The Peasant and Working class movements, Cripps Mission, Subhas Bose and INA, RIN mutiny; Wavell Plan, Cabinet Mission; Tebhaga and Telengana movements;

V Communal Politics

Demand for Pakistan; Lahore session of the Muslim League, rise of Hindu Mahasabha and the RSS; Akali Dal, Partition and its consequences.

VI The Nehru era

Internal policy between 1947 to 1964- movements for social justice, the new constitution, integration of the princely states, growth of parliamentary democracy, five years plan; India's foreign policy – Non alignment, India's relation with her neighbours.

ESSENTIAL READINGS

1. Bipan Chandra, History of Modern India, New Delhi, Orient Longman
2. Sumit Sarkar, Writing Social History, New Delhi, OUP, 1997
3. Bipan Chandra, Nationalism and Colonialism in Modern India, 1979.

4. BipanChandra,RiseandGrowthofEconomicNationalisminIndia
5. D.A.Low,ed.,CongressandtheRaj.
6. EleanorZelliot,FromUntouchabletoDalit:EssaysonttheAmbedkarMovement.
7. Gyanendra Pandey,The Construction ofCommunalism incolonial northIndia.
8. JawaharlalNehru,AnAutobiography.
9. JohnR.McLane,IndianNationalismandtheEarlyCongress.
10. JudithBrown,Gandhi'srisetoPower,1915-22.
11. Mohandas K. Gandhi, An Autobiography or The Story of My ExperimentswithTruth.
12. MushirulHasan,ed.,India'sPartition,OxfordinIndiaReadings.
13. PaulBrass,ThePoliticsofIndiaSinceIndependence,OUP,1990.
14. PeterHardy,MuslimsofBritishIndia.
15. RamLakhanShukla(ed.),AdhunikBharatkaItihas.
16. RanajitGuha,ed.,ASubalternStudiesReader
17. SumitSarkar,ModernIndia,1885-1947

SUGGESTED READINGS

1. A. Jalal, The Sole Spokesman. Jinnah, the Muslim League, and the Demand for Pakistan.
2. A. Seal, Emergence of Indian Nationalism.
3. A.R.Desai,PeasantStrugglesinIndia.
4. A.R.Desai,SocialBackgroundofIndianNationalism.
5. A.Tripathi, Swadhinata Sangrame Bharater Jatiya Congress.
6. A.Tripathi, The Extremist Challenge (trans: Bharater Mukti Sangrame Charampanthi Parba).
7. B. Chandra et. al., India after Independence .
8. B. Chandra et. al., India's Struggle for Independence (trans: Bharater Swadhinata Sangram).
9. B. D. & T. R. Metcalf, A Concise History of India.
10. B. Stein (ed.), The Making of Agrarian Policy in British India.
11. B.R. Nanda (ed.), Indian foreign Policy: The Nehru Years.
12. B.Shiva Rao, The Arming of India's Constitution,- A Study.
13. BipanChandra,CommunalisminModernIndia,2nded.,1987.

14. D. Chakrabarty, Rethinking Working Class History.
15. D. Hardiman, Peasant Resistance in India.
16. D. Kopf, Brahma Samaj and the Shaping of the Modern Indian Mind.
17. F. Hutchins, Spontaneous Revolution.
18. Francine Frankel, India's Political Economy, 1947-77.
19. G. Forbes, Women in Modern India.
20. G. Prakash (ed.), The World of the Rural Labourer in Colonial India.
21. H. Karlekar, India. The First Fifty Years.
22. J. Brown, Gandhi's Rise to Power.
23. J. R. McLane, Indian Nationalism and the Early Congress.
24. J. Krishnamurti, Women in Colonial India.
25. J. M. Kaul, Problems of National integration.
26. Judith Brown, Gandhi: (et al) A Prisoner of Hope.
27. K. Roy (ed.), Partition of India.
28. K. W. Jones, Socio-Religious Reform Movements in British India .
29. M. Fisher (ed.), India's Partition.
30. N. K. Sinha (ed.), History of Bengal.
31. R. K. Ray, Social Conflict and social Unrest in Bengal.
32. R. Kshirasagara, Dalit Movements in India and its Leaders.
33. Ramchandra Guha, India after Gandhi.
34. S. & T. Sarkar (eds.), Women and Social Reform in Modern India.
35. S. Bandopadhyay (ed.), Bengal: Rethinking Historiography.
36. S. Bandopadhyay, Plassey to Partition (trans: Palashi Theke Partition).
37. S. Bhattacharya (ed.), Approaches to History.
38. S. Bhattacharya, Oupanibeshik Bharater Arthaneeti.
39. S. Bose & A. Jalal, Modern South Asia.
40. S. Sarkar, Adhunik Bharat.
41. S. Sarkar, The Swadeshi Movement in Bengal.
42. S. Sen and A. Ghosh, Adhunik Bharat (1885-1964).
43. S. Sen, The Working Class in India
44. Srikumar Deb, Problems and Policies of Bengal Government: 1874-1882.

45. V.C.Joshi(ed.),RammohanRoyandtheprocessofModernization inIndia.
46. V.P.Menon, Integration of the Indian States.

Semester - V
Hons. Core Course
Paper XI
HISTORY OF MODERN EUROPE II (1789-1870)
6 Credits, Total marks 75 (60 + 15)
Total – 60 Lectures

- I. The French Revolution and its European repercussions**
Crisis of Ancien regime ----- Political, social, economic and intellectual background (role of Philosophers) of the French Revolution
The revolution in the making – the Aristocratic Revolt and the consolidation of the Third Estate.
The Constituent Assembly; Radicalization of the Revolution; the reign of Terror and the Thermidorian reaction; social base of the Revolution- Sans culottes, peasants and women; the directory and its achievements and failures.
- II. Napoleon Bonaparte and the French Revolution**
Rise of Napoleon; Napoleonic reforms, Napoleonic Empire and Europe
Fall of Napoleon: The Continental System; The Spanish Ulcer; The Moscow campaign.
Assessment of Napoleon: Character of the French Revolution; Impact of French Revolution on Europe and abroad.
- III. Restoration and Revolution (1815-1848)**
Vienna Congress; Concert of Europe; Metternich system
Greek War of Independence, Revolution of 1830 & 1848, & their Impact
- IV. Industrialization and socio economic transformation**
Industrial Revolution; Definition and characteristics ; Pre Industrial society; Industrial Revolution in Britain; Impact on society, economy and politics .
Industrialization in the continents, case study of France, Germany and Russia.

Emergence of working class and its movements; early Utopian socialist thoughts.

V. Age of Nationalism

Unification of Italy and Germany

Specificities of economic development, political and administrative re organization – Italy and Germany

The second Empire in France and Louis Napoleon

VI. The Eastern Question

The Crimean War; Treaty of Paris, Balkan Nationalism

ESSENTIAL READINGS:

Vandana Joshi, Social Movements and Cultural Currents 1789-1945: Themes in Modern European History, New Delhi, Orient Longman

Mason, Concise History of Modern Europe, New Delhi, Orient Longman

Gerald Brennan: The Spanish Labyrinth: An Account of the Social and Political Background of the Civil War.

C.M. Cipolla: Fontana Economic History of Europe, Volume III: The Industrial Revolution.

Norman Davies, Europe.

J. Evans: The Foundations of a Modern State in 19th Century Europe.

T.S. Hamerow: Restoration, Revolution and Reaction: Economics and Politics in Germany [1815 - 1871].

E.J. Hobsbawm: The Age of Revolution.

Lynn Hunt: Politics, Culture and Class in the French Revolution.

James Joll, Europe Since 1870.

David Landes: Prometheus Unbound.

George Lefebvre, Coming of the French Revolution.

George Lichtheim : A Short History of Socialism.

Peter Mathias, First Industrial Revolution.

Alec Nove: An Economic History of the USSR.

Andrew Porter: European Imperialism, 18760 û 1914 (1994).

Anthony Wood: History of Europe, 1815 û 1960 (1983).

Stuart Woolf: History of Italy, 1700 û 1860.

SUGGESTED READINGS:

- G. Barrowclough: An Introduction to Contemporary History.
- Fernand Braudel: History and the Social Science in M. Aymard and H. Mukhia Ed.: French Studies in History, Vol. I (1989).
- Maurice Dobb: Soviet Economic Development Since 1917.
- M. Perrot and G. Duby [eds.]: A History of Women in the West, Volumes 4 and 5.
- H.J. Hanham; Nineteenth Century Constitution, 1815 - 1914.
- E.J. Hobsbawm, Nations and Nationalism.
- Charles and Barbara Jelavich: Establishment of the Balkan National States, 1840 û 1920.
- James Joll, Origins of the First World war (1989).
- Jaon B. Landes: Women and the Public Sphere in the Age of the French Revolution.
- David lowenthal, The Past is a Foreign Country.
- Colin Licas: The French Revolution and the Making of Modern Political Culture, Volume
- Nicholas Mansergh: The Irish Question, 1840 û 1921.
- K.O. Morgan: Oxford Illustrated History of Britain, Volume 3 [1789 - 1983].
- R.P. Morgan: German Social Democracy and the First International.
- N.V. Riasanovsky: A History of Russia.
- J.M. Robert, Europe 1880 û 1985.
- J.J. Roth (ed.), World War I : A Turning Point in Modern History.
- Albert Soboul: History of the French Revolution (in two volumes).
- Lawrence Stone, History and the Social Sciences in the Twentieth Century The Past and the Present (1981).
- Dorothy Thompson: Chartists: Popular Politics in the Industrial Revolution.
- E.P. Thompson: Making of the English Working Class.
- Michel Vovelle, Fall of the French Monarchy (1984).
- H. Seton Watson: The Russian Empire.
- Raymond Williams: Culture and Society.

Semester - V
Hons. Core Course
Paper XII
STUDYING HISTORY WRITING: INDIAN & WESTERN

6 Credits, Total marks 75 (60 + 15)
Total – 60 Lectures

- I. Time, Space & Human Agency**
Notion of Time and Space in History
- II. Importance of sources in History**
Written, Oral, Visual and Archaeological Sources -
Classification of Primary and Secondary sources – Source
criticism and authentication
- III. Philosophy and Theory of History**
Facts and Interpretation - Philosophy of History –
Hypothesis, argumentation and Problematique -
Objectivity/Subjectivity in History – Historical Narrative
and Generalization
- IV. Indian & Western Historiography**
Pre-colonial forms of writing Indian History - Different
schools of Indian historiography (Cambridge, Nationalists,
Marxists, Subaltern) - Different schools of Western
historiography (Rationalist, Romantist, Positivist, Marxist
and Annales
- V. History and other disciplines**
Relationship between History and Science - History and
Anthropology - History and Literature etc.,
- VI. Research Process in History**
Different stages and steps involved in the process of doing
research in History

Selected Readings

1. E. H. Carr, What is History, Penguin, 2008 (also in Hindi)_
2. Marc Bloch, The Historian's Craft (Introduction and Chapter I: History, men and Time), Manchester University Press, 1992.(also in Hindi)
3. E. Sreedharan, A Text-book of Historiography 500 BC to AD 2000, Orient Longman, 2004 (also in Hindi) Suggested Readings:
4. Irfan Habib, Interpreting Indian History. Northeastern Hill University Publications, Shillong, 1988
5. Arthur Marwick, The Nature of History (Chapter IV: History, Science and Social Science), London: Macmillan, 1989
6. S.P. Sen & Dilip Kumar Ghosh, Historians and Historiography in modern India, Institute of Historical Studies, 1973
7. B. Sheik Ali, History, Its Theory and Method, Macmillan India Limited, 1978

Semester - VI Hons. Core Course PAPER XIII

HISTORY OF MODERN EUROPE II (1871 – 1945)

6 Credits, Total marks 75 (60 + 15)

Total – 60 Lectures

I Imperial Expansion: Bismarck's diplomacy and the new balance of power; Kaiser William II and Welt Politik; new course in German foreign policy; the eastern question of the late 19th century, Balkan wars

II. First World War and its aftermath: Outbreak of the first world war, emergence of the two armed camps; impact of the first world; the Russian revolution, the peace settlements of 1919, the League of nations.

III Challenges to the new European order: Consolidation and Development of power of the Soviet State, French search for security, Rise of Fascism in Italy and Nazism in Germany, World Economic depression of 1929, the Crisis of the Inter War European Order

IV The Road to 2nd World War; Germany's aggressive foreign policy; the role of the war economy, Spanish civil war, Mussolini's foreign policy and Abyssinian crisis, formation of the Rome Berlin Tokyo Axis;

V Second World War: Outbreak of the 2nd World War and its impact

VI United Nations Organization: its origin and functions

ESSENTIAL READINGS:

Gerald Brennan: The Spanish Labyrinth: An Account of the Social and Political Background of the Civil War.

C.M. Cipolla: Fontana Economic History of Europe, Volume III: The Industrial Revolution.

Norman Davies, Europe.

J. Evans: The Foundations of a Modern State in 19th Century Europe.

T.S. Hamerow: Restoration, Revolution and Reaction: Economics and Politics in Germany [1815 - 1871].

E.J. Hobsbawn: The Age of Revolution.

James Joll, Europe Since 1870.

David Landes: Prometheus Unbound.

George Lichtheim : A Short History of Socialism.

Alec Nove: An Economic History of the USSR.

Andrew Porter: European Imperialism, 18760 û 1914 (1994).

Anthony Wood: History of Europe, 1815 û 1960 (1983).

Stuart Woolf: History of Italy, 1700 û 1860.

SUGGESTED READINGS:

G. Barrowclough: An Introduction to Contemporary History.

Fernand Braudel: History and the Social Science in M. Aymard and Maurice Dobb: Soviet Economic Development Since 1917.
M. Perrot and G. Duby [eds.]: A History of Women in the West, Volumes 4 and 5.
H.J. Hanham; Nineteenth Century Constitution, 1815 - 1914.
E.J. Hobsbawm, Nations and Nationalism.
Charles and Barbara Jelavich: Establishment of the Balkan National States, 1840 û 1920.
James Joll, Origins of the First World war (1989).
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David lowenthal, The Past is a Foreign Country.
Nicholas Mansergh: The Irish Question, 1840 û 1921.
K.O. Morgan: Oxford Illustrated History of Britain, Volume 3 [1789 - 1983].
R.P. Morgan: German Social Democracy and the First International.
N.V. Riasanovsky: A History of Russia.
J.M. Robert, Europe 1880 û 1985.
J.J. Roth (ed.), World War I : A Turning Point in Modern History.
Lawrence Stone, History and the Social Sciences in the Twentieth Century The Past and the Present (1981).
Dorothy Thompson: Chartists: Popular Politics in the Industrial Revolution.
E.P. Thompson: Making of the English Working Class.
Michel Vovelle, Fall of the French Monarchy (1984).
H. Seton Watson: The Russian Empire.
Raymond Williams: Culture and Society.

Semester - VI
Hons. Core Course
PAPER – XIV

6 Credits, Total marks, 75 (60 + 15)

MAKING OF THE CONTEMPORARY WORLD (1946-2000)

Total – 60 Lectures

I. Post War Development

- a. An overview of post-war developments Social, Political and Economic
- b. Cold war Politics- ideological clash & power rivalry between super powers
- c. Military and Defense Alliances and Peace Pacts - Containment of Communism- Marshal Plan- Truman Doctrine- Warsaw Pact- Military Alliances-NATO; SEATO- Bagdad Pact- Cominform, Berlin after 1945- Fall of the Berlin Wall & German Re-Unification

II. Decolonization and the emergence of the Third world

- a. National Movements in Asia & Africa
- b. Emergence of the Third World; Non -alignment
- c. Third World Organizations-OPEC, ASEAN, SAARC

III. Cold War Escalates

- a. War in Korea, Cuban missile crisis, Vietnam problem
- b. Palestine Problem; Suez Crisis, Iran- Iraq conflicts, Gulf War
- c. Arab- Israel wars- activities of the PLO, Afghan Problem

IV. Perspectives on Development and under development

- a. Globalization & its impact on the Third World
- b. Liberalization&its impact on Indian economy; Multinational Companies, World Bank, IMF
- c. Information Revolution

V. Modernity and cultural transformation

Emerging trends in culture, Media and consumption; Information Revolution

VI. Changing World

- a. Collapse of Soviet Bloc; Process of disintegrations, Glasnost and Perestroika,
- b. American Uni-polarism; USA as a global policeman
- c. Current threats confronting the World - Ethnic Clashses& Cross border Terrorism

Suggested readings

Taylor ,A.J.P –Origins of the Second World War

Emmanuel wallerstain- The Modern World System

Carr EH-International relations between the two world Wars,
They Twenty years crisis 1919-39: An Introduction to the study of the Internal relations.

Hobsbawm E- Age of Extremes: the short Twentieth century 1914-91

Bhagwati J- In Defense of Globalization

Calvocoressi P- world since 1945

Bandyopadhyaya J- General theory of International relations

Smith J – The cold War

Fleming DF- The Cold War and its origins

Barraclough G- Introduction to contemporary History

Horowitz D-From Yalta to Vietnam

Barstn RP- International Relations since 1945

Keylor WR- The twentieth Century world –an International politics since 1945

Bhattacharyay DC- International relations in the Twentieth Century

Burton W- International Relations

Bandyopadhyay J- General theory of International Relations

Nayyar D- governing globalization, issues and Institutions

Walker M- The Cold War : and the making of the Modern world.

Aylett JF- The Cold war and after

Wolfers A – Alliance Policy in the Cold war

Brecher M- The subordinate State system of southern Asia

Parsona A-From Cold war to Hot Peace

Nixon RM- Real Peace

Perkins SJ- The Arab- Israel Conflicts

Sayer j- Superpower Rivalry

Roy JK- GanotantraebangJatiyatar Agni parikha Bangladesh 1947-1071

ChattopadhyayPranab Kumar- AntrojatikSamparkerIthihas

Bagchi AK (ed)-Biswayan :Bhbna – durbhabna

Chkraborty R, Chakraborty S –CsamsamyikAntrajatikSamparka

BandyopadhyayGourisankar – IthihaserAloysamokalinViswa

ChattopadhyayMrinalKanti _ SamosamaikBiswerIthihas

Ghosh AK- AntrajatikSamparko o Bartoman Visa

Das P – AntrajatikSamparko

Ghosh A- ThandaJudhouttarAntrojatikSamprako, Sankot o prabanata.

(Discipline Specific Elective)

Semester V

Paper –I (Option offered)

LIFE AND CULTURE IN PRE-COLONIAL BENGAL: Prehistoric times to mid 18th century.

6 Credits, Total 75 marks (60 + 15)

Total Lectures - 60

I. The land environs and places

Historical Geography- ancient and medieval divisions

II People and Society

Demography and ethnology – earliest inhabitants; Aryanization of Bengal; Rise of different castes and communities of Bengal; Life of the people- position of women, dress, foods, games and leisure, conveyance

III. Political development of Bengal-an overview

Bengal up to Gupta period; Rise of sovereign Bengal; The Muslim invasion and rise of Islam in Bengal up to the rule of the Nawabs

IV. Economic life in Bengal

Agriculture, crafts and industries; Trade and commerce; Rise of Calcutta and Murshidabad; Emergence of Zamindari system.

V. Religions and art in Bengal

Spread of Brahmanism and Brahmanic culture; Vaisnavism; Spread of Buddhism and Jainism; Islam and Bengal; Srichaitanya and Bhakti movement, Sufism;

Architecture, sculpture and other forms of art; monastic and temple architecture with reference to Paharpur, Bishnupur; terracotta art

VI. Literature and traits of regional culture

- Pre Bengali Sanskrit literature- kavyas, Jaydeb, UmapatiDhar, Dhoyi
- The rise and development of Bengali language and literature- Charyapada; Kirtivasa and Kasiram Das, the Mangalkavyas,
- Origin of Folk traditions of Bengal

References:

Majumdar, R C, The History of Bengal (Vol-1 and 2), N V Publications

SarkarJadunath, The History of Bengal (Muslim Period), JanakiPrakashan

মজুমদার, রমশচন্দ্র, বাংলা দশরইতিহাস - প্রাচীনযুগ, জনারল

মজুমদার, রমশচন্দ্র, বাংলা দশরইতিহাস - মধ্যযুগ, জনারল

চট্টোপাধ্যায় ভাস্কর, গৌড় বঙ্গরইতিহাস ও সংস্কৃতি (প্রথমভাগ), প্রগ্রসিভপাবলিশার্স

মুখোপাধ্যায় ব্রতীন্দ্রনাথ, বঙ্গ বাঙ্গালা ও ভারত, প্রগ্রসিভপাবলিশার্স

রায় অনিরুদ্ধ ও রত্নাবলী চট্টোপাধ্যায় সম্পাদিত, মধ্যযুগের বাংলার সমাজ ও সংস্কৃতি, ক পি বাগচী, ১৯৯২

সনগুপ্ত কান্তিপ্রসন্ন, দক্ষিণ পশ্চিমবঙ্গর ইতিহাস, প্রাচীন যুগ, ক পি বাগচী, ১৯৮৭

সনগুপ্ত কান্তিপ্রসন্ন, দক্ষিণ পশ্চিমবঙ্গর ইতিহাস, মধ্য যুগ, ক পি বাগচী, ১৯৮৭

বসু মজুমদার সুস্মিতা, বাংলার মুদ্রাব্যবস্থা, প্রাচীন ও আদি মধ্যযুগ, লাইব্রেরী অফ নিউম্যাসটিঙ্ক স্টাডিজ, ২০১৩

সাঁতরা তারাপদ, পশ্চিমবাংলার ধর্মীয় স্থাপত্য, মন্দির ও মসজিদ, পশ্চিমবঙ্গ বাংলা আকাদেমি, ১৯৯৮

সরকার পবিত্র প্রমুখ সম্পাদিত, বঙ্গদর্পণ, খন্ড-১, থার্ড মিলনিয়াম কমিটি ফর সার্শ্যাল ট্রানজিশন, ২০০১

রায় নীহাররঞ্জন, বাঙ্গালির ইতিহাস, আদি পর্ব

চট্টোপাধ্যায় রূপশ্রী, গৌড়ীয় সংস্কৃতি বীক্ষা, প্রগতিশীল পাবলিশার্স, কালকাতা

Paper –I (OR)

(Discipline Specific Elective)

Semester V

HISTORY OF THE UNITED STATES OF AMERICA (1776-1864)

Total Lectures - 60

I The Background:

[a] The land and the aborigines.

[b] European settlement and colonization.

[c] Early colonial society and politics; indentured labour: White and Black.

II Independence and making of the Republic:

[a] Sources of conflict: Revolutionary groups, Ideology: The War of Independence and its historical interpretations.

[b] Constitution making: Historical debates and interpretations.

III Evolution of American Democracy:

[a] Federalists: Jeffersonianism to Jacksonianism, Rise of political parties; judiciary and the Supreme Court.

[b] Expansion of Frontier: Turner's Thesis; Marginalization, displacement and decimation of native Americans; Case histories of Tecumseh; Shawnee Prophet.

[c] Limits of democracy: Blacks and women.

IV Early Capitalism:

[a] Beginnings of Industrialization.

[b] Immigrants and changing composition of Labour; Early Labour movements and associations

V Foreign Policy:

Isolationism and involvement; War of 1812: Monroe Doctrine: Manifest Destiny.

VI Slavery to Civil War:

[a] Plantation economy and slave society.

[b] Abolitionism and Sectionalism: Issues and interpretations.

[c] Republicanism, Emancipation and Lincoln.

ESSENTIAL READINGS

Bernard Bailyn, The Great Republic.

Bernard Bailyn, The Ideological Origins of the American Revolution.

Charles Beard, An Economic Interpretation of the American Constitution.

Dee Brown, Bury My Heart at Wounded Knee, An Indian History of the American West.

Peter Carroll and David Noble, Free and Unfree: A New History of the United States.

David B. Davis, The Problem of Slavery in the Age of Revolution.

31

U. Faulkner, American Economic History.

Robert Fogel, Railroads and American Economic Growth.

Eric Foner, America's Black Past.

John Hope Franklin, From Slavery to Freedom.

Gerald N. Grobb and George A. Billias, *Interpretations of American History: Patterns and Perspectives*, 2 Vols.
Richard Hofstadter, *The Age of Reform, From Bryan to FDR*
Linda Kerber, *Women's America: Refocusing the Past*.
David M. Potter, *The Impending Crisis*.
W. Pratt, *A History of the United States Foreign Policy*.
James Randall, *The Civil War and Reconstruction*.
J. G. Randall and David Donald, *The Civil War and Reconstruction*.
Kenneth Stampp, *The Peculiar Institution, Slavery in the Antebellum South*.
Frederick Jackson Turner, *The Frontier in American History*.
Robert Wiebe, *The Search for Order*.

SUGGESTED READINGS

Lee Benson, *The Concept of Jackson Democracy*.
Ray A. Billington, *Westward Expansion*.
Paul Boyer, Harvard Sitkoff, Nancy Woloch, *The Enduring Vision: A History of the American People*, Vols. Land 2.
Thomas Cochran, *The Inner Revolution*.
A. O. Craven, *The Growth of Southern Nationalism, 1848 - 1861*.
Lance E. Davis (ed.), *American Economic Growth*.
Carl N. Degler, *At Odds: Women and Family in America from the Revolution to the Present*.
Fogel and Engerman? *Time on the Cross*-.
Lewis L. Gould (ed.), *The Progressive Era*.
John D. Hicks, *The Federal Union: A History of USA Since 1865*.
R.P. Kaushik, *Significant Themes in American History*.
David M. Kennedy, Thomas Bailey and Mel Piehl, *The Brief American Pageant*.
Irving Kristol, Gordon Wood and others, *America's Continuing Revolution*.
Richard W. Leopold, *The Growth of American Foreign Policy*.
Perry Miller, *From Colony to Province*.
Gary Nash (ed.), *Retracing the Past*.
Henry Pelling, *American Labor*.
Edward Pessen, *Jacksonian Panorama*.
Charles Sellers, Henry May and Neil McMillen, *A Synopsis of American History*; 2 Vols.

Donald Shihaan, The Making of American History: The Emergence of the Nation, Vols. II & I.

Dwijendra Tripathi and S.C. Tiwari, Themes and Perspectives in American History.

James Weinstein, The Corporate Ideal in the Liberal state.

(Discipline Specific Elective)

Semester V

Paper –II (Option offered)

LIFE AND CULTURE IN COLONIAL BENGAL (1757-1947)

6 Credits, Total 75 marks (60 + 15)

Total Lectures - 60

- 1. Establishment of East India Company's rule in Bengal**
 - a) Relation between the East India Company and Bengal Nawabs- especially Sirajudaullah.
 - b) Battle of Plassy to grant of Diwani, Dual Government, Famine of 1770
 - c) Experiments in Revenue Administration and Establishment Permanent Settlement-Social and Economic impact of the Permanent Settlement.

- 2. Changes in Social and Economic life up to 19th Century**
 - a) The Village community, so called self sufficient Village breaking the said society;
Introduction of money index in place of cast system in social status.
 - b) Rise and growth of Calcutta and decline of the old urban centers.
 - c) Popular protests in the 19th Century- Sannyasi, Wababi, Faraiji, Indigo Revolts & Pabna uprising.

- 3. Impact of company's Rule**
 - a) Western Education- Role of Missionaries; Women's Education- Medical Education –Emergence of educated middle class.
 - b) The Bengal Renaissance –Religious and social Reforms Movements- Rammohan Roy, Vidyasagar, Young Bengal, Brahma Samaj, Bankim Chandra Chattopadhyay, Vivekananda;
The Muslim and Non- Bengalis in Bengal.
 - c) De-industrialization and emergence of Labour Force; Impact of Railways.

4. Cultural Scenario in 19th Century

- a) Bengali Language and Literature; Printing and Press
- b) Visual & performing arts , painting ,Music , Theatre
- c) Popular religions –(Sahebhdhani, Kartabhaja, Lalansahi,), Culture- (Yatra, Kabigan)
- d) Science , Technology and Medicine

5. Emergence of Nationalism

- a) Swadeshi Movement and impact,
- b) Rise of Extremism; Foundation of Muslim League;
- c) Gandhian ideology in Bengal,
- d) Non- co operation, Civil Disobediences and Quit India Movement in Bengal.

6. Changes in the 20th Century

- a) Influence of Nationalism on Literature;
Introduction of popular Utsab and Melas
- b) Evolution Theatres in the 20th Century
- c) Visions of integration and humanity – Rabindranath, KaziNazrul and Sarat Chandra Chattopadhyay
- d) Social and cultural impact of the Partition; changing role of Women in Society.

Reading List

Dirks Nicholas : Colonialism and Culture

AhmedSalauddin : Social Ideas and social change in Bengal

Mukherjee Amitava : Reforms and Regeneration in Bengal

Bose NemaSdahan : Indian Awakening and Bengal

SarkarSumit :Swadeshi Movement in Bengal

Writing social History A Critique of colonial India

SarkarTanika : Hindu Wife , Hindu Nation

Women and social Reform in India

Banerjee Hasi : Political activity of the liberal Party in India

ChatterjeeJaya : Bengal divided

Arnold David : The new Cambridge History of India : science , Technology and Medicine in Colonial India

Banerjee Sumanta : The Parlour and the streets : Elite and Popular culture in 19th century Calcutta

Mukherjee S N : Calcutta , Myth and Reality
Kopf David :British orientalism and Bengal Renaissance
The BrahmoSamaj and shaping of the Modern Indian mind
Palitchitrabrata : New view points of 19th Century Bengal
Roy Rajat Kumar (ed) ; Mind, Body and society : Life and Mentality in Colonial Bengal
SenAsok :iswarchandraVidyasagar and his Elusive Milestone
Tripathyamalesh :Vidyasagar , a traditional Modernizer
SinhaNK : History of Bengal
SinhaPradip : Calcutta in Urban History
DattaAchintya : Economy and Ecology in a Bengal District : Burdwan 1880-1947
MitraAshok :Paschim banger Puja parban o mela
GhoshBenoy :PashimbangerSanskriti
Vidyasagar o Bangalesamaj
SammayikpatreBanglarSamajchitra
BasuSwapan :UnishshatkerBanglarSamaj o sanskriti
BasuSwapan&DuttaHarsha :BishsatakerBangaleejiban o sanskriti
ChakrabortyRamakanta :Bangaleer Dharma , Samaj o sanskriti
SanyalHiteshranjan : Social Mobility in Bengal
SwarajerPathe
KamillyaMihirChudhury : Rarer Gramdevata
Rarer Purbapurushpuja :Lokdhama o Loksanskriti.
Ahamadsalahauddin :Bangaleersadhana o BangladesherMukthijudha

Paper –II (OR)
(Discipline Specific Elective)
Semester V

HISTORY OF THE UNITED STATES OF AMERICA (1865-1945)

Total Lectures - 60

I Reconstruction:

[a] Conservative and Radical phases.

[b] The New South: Participants and Reactions, Carpetbaggers; Scalawags, Blacks, Ku Klux Klan.

II Industrial America:

[a] Growth of Capitalism and Big Business.

[b] Business cycles; Depression.

III Resistance and Reform:

- [a] Labour movements and Unionization.
- [b] Agrarian crises and populism; Urban corruption and progressivism.
- [c] New Deal.

IV The U.S.A. becomes a world power:

- [a] Spanish-American War
- [b] Expansion in the Far East and Latin America
- [c] World War I, Fourteen Points and Isolationism
- [d] USA and World War II

V Afro-American and Women's Movements:

- [a] Black Movements: Booker T. Washington, W.E.B. Dubois; NAACP and Marcus Garvey.
- [b] Abolitionists and Women's rights
- [c] Suffrage
- [d] Afro-American Women

VI Religious, Cultural and Intellectual Trends:

- [a] Religious movements; Early Revivalism; Puritans, Quakers; Mormons; Temperance.
- [b] Mass culture (circa 1900 - 1945)
- [c] Major literary trends (circa 1900 - 1945).

ESSENTIAL READINGS

Bernard Bailyn, The Great Republic.

Bernard Bailyn, The Ideological Origins of the American Revolution.

Charles Beard, An Economic Interpretation of the American Constitution.

Dee Brown, Bury My Heart at Wounded Knee, An Indian History of the American West.

Peter Carroll and David Noble, Free and Unfree: A New History of the United States.

David B. Davis, The Problem of Slavery in the Age of Revolution.

31

U. Faulkner, American Economic History.

Robert Fogel, Railroads and American Economic Growth.

Eric Foner, America's Black Past.

John Hope Franklin, From Slavery to Freedom.

Gerald N. Grobb and George A. Billias, Interpretations of American History: Patterns and Perspectives, 2 Vols.

Richard Hofstadter, The Age of Reform, From Bryan to FDR

Linda Kerber, *Women's America: Refocusing the Past*.
David M. Potter, *The Impending Crisis*.
W. Pratt, *A History of the United States Foreign Policy*.
James Randall, *The Civil War and Reconstruction*.
J. G. Randall and David Donald, *The Civil War and Reconstruction*.
Kenneth Stampp, *The Peculiar Institution, Slavery in the Antebellum South*.
Frederick Jackson Turner, *The Frontier in American History*.
Robert Wiebe, *The Search for Order*.

SUGGESTED READINGS

Lee Benson, *The Concept of Jackson Democracy*.
Ray A. Billington, *Westward Expansion*.
Paul Boyer, Harvard Sitkoff, Nancy Woloch, *The Enduring Vision: A History of the American People, Vols. Land 2*.
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A. O. Craven, *The Growth of Southern Nationalism, 1848 - 1861*.
Lance E. Davis (ed.), *American Economic Growth*.
Carl N. Degler, *At Odds: Women and Family in America from the Revolution to the Present*.
Fogel and Engerman? *Time on the Cross-*.
Lewis L. Gould (ed.), *The Progressive Era*.
John D. Hicks, *The Federal Union: A History of USA Since 1865*.
R.P. Kaushik, *Significant Themes in American History*.
David M. Kennedy, Thomas Bailey and Mel Piehl, *The Brief American Pageant*.
Irving Kristol, Gordon Wood and others, *America's Continuing Revolution*.
Richard W. Leopold, *The Growth of American Foreign Policy*.
Perry Miller, *From Colony to Province*.
Gary Nash (ed.), *Retracing the Past*.
Henry Pelling, *American Labor*.
Edward Pessen, *Jacksonian Panorama*.
Charles Sellers, Henry May and Neil McMillen, *A Synopsis of American History; 2 Vols*.
Donald Shiham, *The Making of American History: The Emergence of the Nation, Vols. II & I*.
Dwijendra Tripathi and S.C. Tiwari, *Themes and Perspectives in*

American History.

James Weinstein, The Corporate Ideal in the Liberal state.

(Discipline Specific Elective)
Semester VI
Paper –III (Option offered)
6 Credits, Total 75 marks (60 + 15)
History of Modern East Asia-1 (1840-1919)
Total Lectures - 60

I Pre-colonial China

- [a] Nature and structure of the traditional Chinese society.
- [b] The peasantry and gentry; Government bureaucracy and central control.
- [c] The Confucian value system.
- [d] China's pre-modern economy.

II Anglo Chinese relations till the Opium War

- [a] The Tribute system; the Canton trade and its collapse.
- [b] First & Second Opium Wars—the unequal treaties.
- [c] Financial Imperialism: Open Door policy.

III Rebellion, Restoration and Nationalism

- [a] The Taiping Rebellion: causes, nature and failure.
- [b] Tung- Chih Restoration; the Hundred Days' Reform and the Self –Strengthening Movement.
- [c] Boxer Uprising : causes, nature and failure.
- [d] The Revolution of 1911: background and causes, nature and significance; role of Dr Sun Yat- Sen; principles and politics, formation of the Republic; Yuan Shih-kai and warlordism; the rise of the Kuomintang.

IV Pre-Meiji Japan

- [a] Tokugawa Shogunate: the feudal society and the government; Shintoism.
- [b] Economic condition.
- c) Encounter with the West: the Perry Mission; the opening of the Japan to the west.
- [d] The crisis and fall of the Shogunate.

VMeiji Restoration

- [a] Causes and nature of Restoration.
- [b] Transformation of Japan: process of modernization.
- [c] Meiji Constitution.

VIExpansion of Japan up to the First World war

- [a] Sino–Japanese war (1894-95).
- [b] The Anglo-Japanese Alliance (1902).
- [c] Contest for Korea and the Russo-Japanese war (1904-05).
- [d] Japan and the First World War.

Suggested Readings

Allen, G –A short Economic History of Japan
 Beasley, W.G – The Modern History of Japan
 Backmann , George M –The Making of the Meiji Constitution.
 Borton, H – Japan since 1931
 Jansen JB- (ed)-The Cambridge History of Japan vols V-VI
 Fairbank, J.K (ed)- The Cambridge History of China vol-X
 Gray, J –Rebellions and Revolutions
 Hsu,C.Y.I – The rise of Modern China
 Peffer, N – The Far East: A Modern History
 Roy S L- A short History of the Far East
 Snow, E –Red Star over China
 Richard ,S-A History of Modern Japan

Vinacke ,H –A History of the Far East in Modern Times
Bianco L- Origins of the Chinese Revolutions 1915-1949
Pucell Victor – The Boxer Uprising: A Background study
Chesneaux , J –China from Opium War to 1911 Revolution
Fitzgerald , C.P – Birth of Communist China
Gordon A – A Modern History of Japan From Tokugawa Times to Present
Holliday J- A Political History of Japanese Capitalism
Norman E H – Japan’s Emergence as Modern State
Sansom G- The Western world and Japan
Tung C T –The May Fourth Movement: intellectual Revolution in Modern china
Wright MC- China in Revolution: The first Phase 1900-1913
Bhattacharya Amit- Transformation of China 1840-1969
Epstein I- From Opium War to Liberation
Bobsbawm E – Age of Extremes: The short Twentieth Century 1941-1991
Nish I H – Japan’s Foreign policy: 1869-1942
ChudhuryDeboprasad :AdhunikJugePurba Asia-r Sankhiptaltihās
ChattopadhyayHaraprasad :Japanerltihās
ChattopadhyayHaraprasad- Chinerltihās
ChattopadhyayMrinalKanti – Chin o Japanerltihās
GuharoySridhartha _AdhunikPurba Asia: Chin o Japanerltihās
Sen J –E juger Chin Khata
Mukhopadhyaysubodh Kumar –AdhunikPurba Asia
Bhattacharyay A – ChinerRupantarerltihās 1840-1969
Japanerrupantarerltihās 1600-1945

Paper –III (OR)
(Discipline Specific Elective)
Semester VI
6 Credits, Total 75 marks (60 + 15)
History of the USSR-I (1917-1945)
Total Lectures - 60

I The Russian Revolutions of February and October 1917

[a] Crisis and fall of the Tsarist government

[b] The Russian revolutions of 1917: The February Revolution; the Provisional government and the Soviets; the October Revolution: nature of the October Revolution.

[c] Establishment of Soviet power; the question of nationalities.

II Lenin, Civil War and War Communism (1918-1921)

[a] Lenin's leadership in Soviet Russia: the first eight months.

[b] Red and white economic policies; Civil War.

III Soviet Economy

[a] From War Communism to New Economic Policy.

[b] Collectivization of agriculture and the Five Year Plans.

IV Post-Lenin Period

[a] Challenges to the Bolshevik regime after Lenin; fall of Trotsky.

[b] Consolidation of political dictatorship: Stalin's rise to power; Stalin and the question of nationalities; the Great Purges.

V Soviet industrialization:

Planned industrialization (1928-1941)

VI Soviet foreign policy till 1945

[a] Lenin's foreign policy: formation of the Comintern; Soviet Russia and its neighbours; Rapallo Treaty (1922) and Lausanne Conference (1923).

[b] Stalin's foreign policy: United Front policy; Soviet-Nazi Non-Aggression Pact; Yalta Conference; formation of the Grand Alliance; Russia and the Second World War.

ESSENTIAL READINGS

E.H. Carr: A History of Soviet Russia, 4 Volumes (1952).

Stephen F. Cohen: Bukharin and the Bolshevik Revolution: A Political Biography, 1888 - 1938 (1973).

Isaac Deutscher: Stalin (1949).

Maurice Dobb: Soviet Economic Development Since 1917 (1972).
Marc Ferro: The Russian Revolution of February 1917 (1972).
Sheila Fitzpatrick: Cultural Revolution in Soviet Russia (1978).
Arch Getty: The Origins of the Great Purges (1985).
Graeme Gill: Peasants and Government in the Russian Revolution (1979).
John Keep: The Last of the Empires : A History of the Soviet Union, 1945 û 1991 (1995).
John Keep: The Russian Revolution: A Study in Mass Mobilization (1976).
A. Kollontai: Selected Writings.
Moshe Levin: The Making of the Soviet System (1985).
Roy & Zhores Medvedev: Khrushchev: The Years in Power (1977).
Alec Nove: An Economic History of the USSR (1993).
Richard Pipes: Russia of the Old Regime.
L.Szamuely: First Models of Socialist Economic Systems.
Trotsky: The History of the Russian Revolution (translated by Max Eastman) (1959).
A.B. Ulam: Expansion and Coexistence: A History of Soviet Foreign Policy, 1917 û 67 (1968).
K. Vaidyanathan: The Formation of the Soviet Control Asian Nationalities.

(Discipline Specific Elective)
Semester VI
Paper –IV (Option offered)
6 Credits, Total 75 marks (60 + 15)
History of China and Japan (1919-1939)
Total Lectures - 60

II Nationalism in China

[a] Emergence of the Republic and Yuan Shih Kai: Warlordism.

[b] May 4th Movement: origin, nature and significance.

2. The Kuomintang and the Nationalist government

[a] The rise of the Kuomintang Party: Political crisis in the 1920s; The First United Front

[b] Chiang Kai-shek: the KMT-CCP conflict.

[c] Ten Years of Nanking Government.

3. The Communist Victory in China

[a] Background of the foundation of the Communist Party.

[b] CCP under Mao Tse-tung: the making of the Red Army; the Second United Front; Long March.

[c] The Yen-an experiment;

[d] The Chinese Revolution (1949): Ideology, causes and significance; the establishment of the Peoples' Republic of China.

IV Rise of modern Japan

[a] Process of modernization: social, military, political and educational; popular and democratic movement;

[b] Rise of Political Parties, abolition of feudalism and economic growth.

[c] Industrialization and the role of the state; the Zaibatsu.

V Imperial Japan

[a] Japan and World war I: Twenty-one Demands.

[b] Washington Conference.

[c] Manchurian crisis: role of the League of Nations.

[d] Failure of the Democratic system and the rise of militarism in the 1930s and the 1940s.

VI Japan and World War II

[a] Japan's bid for supremacy and defeat.

[b] Post war Japan under General Douglas MacArthur.

Suggested Reading

Allen, G –A short Economic History of Japan
Beasley, W.G – The Modern History of Japan
Backmann , George M –The Making of the Meiji Constitution.
Borton, H – Japan since 1931
Jansen JB- (ed)-The Cambridge History of Japan vols V-VI
Fairbank, J.K (ed)- The Cambridge History of China vol-X
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Tung C T –The May Fourth Movement: intellectual Revolution in Modern china
Wright MC- China in Revolution: The first Phase 1900-1913
Bhattacharya Amit- Transformation of China 1840-1969
Epstein I- From Opium War to Liberation
Bobsawm E – Age of Extremes: The short Twentieth Century 1941-1991
Nish I H – Japan’s Foreign Policy: 1869-1942
ChudhuryDeboprasad :AdhnikJugePurba Asia-r Sankhptaltahas
ChattopadhyayHaraprasad :Japanerltahas
ChattopadhyayHaraprasad- Chinerltahas
ChattopadhyayMrinalKanti – Chin o Japanerltahas

Paper –IV (OR)
(Discipline Specific Elective)

Semester VI

6 Credits, Total 75 marks (60 + 15)

History of the USSR-II (1945-1964)

Total Lectures - 60

I political, social and cultural changes (1945-1964)

- [a] Demographic changes.
- [b] Working class and gender relations.

II Domestic economy (1945-1954)

- [a] Industrial and agricultural reconstruction.
- [b] Moves towards market socialism.

III Soviet Russia and Eastern Europe after the 2nd World War

- [a] Confidence and coercion; imposition of Soviet hegemony on Eastern Europe; challenges to that hegemony in Yugoslavia and Hungary.
- [b] The Warsaw Pact.

IV Sino-Soviet Relations (1949-1964)

- [a] Relations between USSR and China up till 1953.
- [b] Changes in the relations between USSR and China between 1953 and 1964: a Sino-Soviet rift?

V The Khrushchev Era

- [a] De-Stalinization.
- [b] Agricultural and industrial policies in post-Stalin era.

VI Nikita Khrushchev and the Cold War

- [a] Armaments and nuclear race.
- [b] Cold War escalates: Vietnam, Korea, Cuba.
- [c] Nature of the Cold War: ideological conflict or power struggle?

ESSENTIAL READINGS

- E.H. Carr: A History of Soviet Russia, 4 Volumes (1952).
- Stephen F. Cohen: Bukharin and the Bolshevik Revolution: A

Political Biography, 1888 - 1938 (1973).
Isaac Deutscher: Stalin (1949).
Maurice Dobb: Soviet Economic Development Since 1917 (1972).
Marc Ferro: The Russian Revolution of February 1917 (1972).
Sheila Fitzpatrick: Cultural Revolution in Soviet Russia (1978).
Arch Getty: The Origins of the Great Purges (1985).
Graeme Gill: Peasants and Government in the Russian Revolution (1979).
John Keep: The Last of the Empires: A History of the Soviet Union, 1945 - 1991 (1995).
John Keep: The Russian Revolution: A Study in Mass Mobilization (1976).
A. Kollontai: Selected Writings.
Moshe Levin: The Making of the Soviet System (1985).
Roy & Zhores Medvedev: Khrushchev: The Years in Power (1977).
Alec Nove: An Economic History of the USSR (1993).
Richard Pipes: Russia of the Old Regime.
L.Szamuely: First Models of Socialist Economic Systems.
Trotsky: The History of the Russian Revolution (translated by Max Eastman) (1959).
A.B. Ulam: Expansion and Coexistence: A History of Soviet Foreign Policy, 1917 - 67 (1968).
K. Vaidyanathan: The Formation of the Soviet Control Asian Nationalities.

Semester - I

Hons. Generic Elective Papers [For other discipline(s)]

Paper – I

6 Credits, Total marks 75 (60 + 15)

History of India (From Earliest Times up to 300 CE) Total – 60 Lectures

I. Sources; Prehistory and Proto-historic cultures

Sources & Interpretation - A broad survey of Palaeolithic, Mesolithic and Neolithic Cultures, Bronze age civilization - Harappan Civilization - Origin, Extent, dominant features & decline.

II. The Vedic Period

Polity, Society, Economy and Religion, Iron age with reference to PGW & Megaliths.

III. Jainism and Buddhism

Causes, Doctrines, Spread, Decline and Contributions

IV. Rise of Magadha

Emergence and growth of the Magadhan Empire

Conditions for the rise of Mahajanapadas and the Causes of Magadha's success; The Iranian and Macedonian Invasion

V. The Mauryan Empire

State and Administration of the Mauryas, Economy, Ashoka's Dhamma, Art & Architecture.

VI. Post Mauryan Period

The Satvahana Phase: Aspects of Political History, Material Culture, and Administration & Religion

The Sangam Age: Sangam Literature, The three Early Kingdoms, Society & the Tamil language

The age of Sakas and Kushanas: Parthians & Kushanas, Aspects of Polity, Society, Religion, Arts & Crafts, Coins, Commerce and Towns.

References:

Agrawal, D.P. The Archaeology of India

Basham, A.L. The Wonder That was India

Chakrabarti, D.K. Archaeology of Ancient Indian Cities Jaiswal, Suvira Caste: Origin, Function and Dimensions Subramanian, N. Sangam Polity

Thapar, Romila History of Early India

Allchin, F.R. and B Origins of a Civilization: The Prehistory and Early Archaeology of South Asia

Basham, A.L. The Wonder That was India

Jha, D.N. Ancient India in Historical Outline (1998 edn.)

Kosambi, D.D. Culture and Civilization of Ancient India Ray,

H.P. Monastery and Guild India in Historical Outline

Sastri, K.A.N. A History of South India

R.S Sharma, India's Ancient Past

Ray, Niharranjan Maurya and Post Maurya Art

Sharma, R.S. Aspects of Political Ideas and Institutions in Ancient India (1991 edn.)

Thapar, Romila Ashoka and the Decline of the Mauryas (1997)

Yazdani, G. Early History of Deccan Aspects of Political Ideas and Institutions in Ancient India (1991 edn.)
Thapar, Romila Ashoka and the Decline of the Mauryas (1997)
Yazdani, G. Early History of Deccan

Semester – II

Hons.Generic Elective Paper

History of India (300 to 1206 CE)

6 Credits, Total marks 75 (60 + 15)

Total – 60 Lectures

- I. The Rise & Growth of the Guptas**
Administration, Society, Economy, Religion, Art, Literature, and Science & Technology.
- II. Harsha & His Times**
Harsha's Kingdom, Sasanka, Administration, Buddhism & Nalanda
- III. Towards Early Medieval: North India - Palas, Senas, Pratiharas and the rise of Rajputs**
- IV. Towards Early Medieval: South India**
Chalukyas, Pallavas, Rashtrakutas, and the Cholas
- V. Society, Economy and Culture in Early Medieval:**
The Feudalism debate
Changes in Society, Economy and Culture
- VI. Arrival of Islam in India**
Arab conquest of Sindh
Struggle for power in Northern India & establishment of Sultanate.

References:

R. S. Sharma: Indian Feudalism - India's Ancient Past
B. D. Chattopadhyaya: Making of Early Medieval India Derryl N. Maclean: Religion and Society in Arab Sindh
K. M. Ashraf: Life and Conditions of the People of Hindustan
M. Habib and K.A. Nizami: A Comprehensive History of India Vol.V Tapan Ray Chaudhary and Irfan Habib (ed.)
: The Cambridge Economic History of India, Vol.I
Peter Jackson: Delhi Sultanate: A Political and Military History Tara Chand: Influence of Islam on Indian Culture

Satish Chandra: A History of Medieval India, 2 Volumes Percy
Brown, : Islamic Architecture

Semester - III
Hons. Generic Elective Papers [For other discipline(s)]
Paper – III

6 Credits, Total marks 75 (60 + 15)

HISTORY OF INDIA FROM 1206-1707

Total – 60 Lectures

- I. Political History of the Delhi Sultanate**
Foundation, Expansion and Consolidation of the Delhi Sultanate—Ilbari Turks, Khaljis and the Tughlaqs
Nature of the State, nobility and the Ulema, Economic reforms
- II. Regional Political Formations**
Bengal Vijaynagar and the Bahamani Kingdoms
- III. Mughal ascendancy till the time of Akbar (1605 CE)**
Babar; Mughal- Afgan conflict, Akbar
- IV. Mughal Power in the post Akbar Era (1606-1707 CE)**
Mughal empire from Jahangir to Aurangzeb
- V. Economy and Society**
revenue administration from iqta, jagi and mansabdari.
inland and oceanic trade
- VI. Religion, Art and Architecture**
Religion;-Sufism, and Bhakti movement
Art---painting, sculpture and architecture
literature—Persian and regional

Essential Readings :

IrfanHabib: The Agrarian System of Mughal India 1556-1707,

IrfanHabib (ed.) : Madhya Kaleen Bharat, (in Hindi), 8 Volumes,

M. Athar Ali: Mughal Nobility under Aurangzeb,

ShireenMoosvi: The Economy of the Mughal Empire

S.A.A.Rizvi: Muslim Revivalist Movements in Northern India during

16th and 17th Centuries

R.P. Tripathi: The Rise and Fall of the Mughal Empire, 2 vol.

I. H. Siddiqui: Some Aspects of Afghan Despotism

KesvanVeluthat: Political Structure of Early Medieval South India

P.J. Marshall: The Eighteenth Century in Indian History.

Stewart Gordon, : The Marathas 1600-1818

Percy Brown, : Islamic Architecture

Semester - IV

Hons. Generic Elective Papers [For other discipline(s)]

Paper – IV

6 Credits, Total marks 75 (60 + 15)

HISTORY OF INDIA FROM 1707 - 1950

Total – 60 Lectures

- I. Regional States and rise of the Company's rule**
 - Bengal – Battle of Plassey, Buxar and Dewani
 - Marathas and Anglo Maratha relation
 - Mysore and Anglo Mysore relation
 - Anglo Sikh relations

- II. Land Settlements, peasant and Tribal revolts upto 1857**
 - Permanent settlement and Rayatwari
 - Tribal and Peasant revolts- Wahabi, Fairazi and Santal

- III. Socio- Religious Reform Movements in the 19th Century**
 - Rammohan Roy, Young Bengal, Vidyasagar, AryaSamaj,
 - Growth of a new middle class

- IV. 1857 and its aftermath**
 - Causes and nature of the 1857
 - Age of associations and the birth of INC

- V. Indian National Movement**
 - Moderates and Extremists
 - Partition of Bengal and the Swadeshi movement
 - Rise of Gandhi in Indian politics and Gandhian movements.
 - Leftist movements
 - Subhash Chandra Bose and the INA

- VI. Partition Of India and the establishment of Indian Republic**
 - Government Of India Act 1935
 - Cripps Mission, Wavell Plan, Cabinet Mission
 - Communal Politics

Partition of India
Constituent Assembly and the birth of the Republic

Essential Readings :

Sugata Bose and Ayesha Jalal: Modern South Asia: History, Culture, Political Economy, New Delhi, 1998

SekharBandyopadhyayFromPlassey to Partition

Barbara D Metcalf andT.R. Metcalf A Concise History of India, Cambridge, 2002

C.A.Bayly: An Illustrated History of Modern India 1600 – 1947, London 1990

SumitSarkar Modern India 1885 ñ 1947, Mamillan, 1983

MushirulHasan John Company to the Republic: A story of Modern India

R.P. Dutt, India Today.

Thomas Metcalf Ideologies of the Raj.

R. Jeffery, J Masseloss, From Rebellion to the Republic.

Bipan Chandra: Nationalism and Colonialism.

Skill Enhancement Courses

Semester - III

Paper – I (Option offered)
2 Credits, Total marks - 50
Archives and museums in India

Total – 40 Lectures

This course introduces students to the institutions that house and maintain documentary, visual and material remains of the past. Museums and archives are among the most important such repositories and this course explains their significance and how they work. Students will be encouraged to undertake collection, documentation and exhibition of such materials in their localities and colleges. Visit to National Archives and National Museum are an integral part of the course.

- I. Definition and history of development (with special reference to India)**
- II. Types of archives and museums:** Understanding the traditions of preservation in India
Collection policies, ethics and procedures
Collection: field exploration, excavation, purchase, gift and bequests, loans and deposits, exchanges, treasure trove confiscation and others
Documentation: accessioning, indexing, cataloguing, digital documentation and de-accessioning
Preservation: curatorial care, preventive conservation, chemical preservation and restoration
- III. Museum Presentation and Exhibition**
- IV. Museums, Archives and Society:** (Education and communication Outreach activities)

Essential Readings

1. Saloni Mathur, *India By Design: Colonial History and Cultural Display*, University of California, 2007
2. S. Sengupta, *Experiencing History Through Archives*. Delhi: Munshiram Manoharlal. 2004.
3. Tapati, Guha Thakurta, *Monuments, Objects, Histories: Institution of Art in Colonial India*, New York, 2004
4. Y. P. Kathpalia, *Conservation and Restoration of Archive Materials*. UNESCO, 1973
5. R.D. Choudhary, *Museums of India and their maladies*. Calcutta: Agam Kala. 1988
6. Nair, S.M. *Bio-Deterioration of Museum Materials*. 2011
Agrawal, O.P., *Essentials of Conservation and Museology*, Delhi, 2009
Paper-IV: Understanding Popular Culture The paper examines some popular cultures expressed in

Paper – I (OR)
Skill Enhancement Courses
Semester - III
2 Credits, Total marks -50
Understanding Heritage
Total – 40 Lectures

Paper-I Understanding Heritage

This course will enable students to understand the different facets of heritage and their significance. It highlights the legal and institutional frameworks for heritage protection in India as also the challenges facing it. The implications of the rapidly changing interface between heritage and history will also be examined. The course will be strongly project-based and will require visits to sites and monuments. At least two Projects will be based on visits to Museums/Heritage Sites.

I. Defining Heritage

Meaning of 'antiquity', 'archaeological site', 'tangible heritage', 'intangible heritage' and 'art treasure'

II. Evolution of Heritage Legislation and the Institutional Framework:

Conventions and Acts— national and international_Heritage-related government departments, museums, regulatory bodies etc.
Conservation Initiatives

III. Challenges facing Tangible and Intangible Heritage

Development, antiquity smuggling, conflict (to be examined through specific case studies)

IV. Evolution of Heritage Legislation and the Institutional Framework:

Conventions and Acts— national and international_Heritage-related government departments, museums, regulatory bodies etc.
Conservation Initiatives

V. Challenges facing Tangible and Intangible Heritage:

Development, antiquity smuggling, conflict (to be examined through specific case studies)

VI. Heritage and Travel:

Viewing Heritage Sites_The relationship between cultural heritage,
55
landscape and travel recent trends

Essential Readings

David Lowenthal, *Possessed By The Past: The Heritage Crusade and The Spoils of History*, Cambridge, 2010

Layton, R. P. Stone and J. Thomas. *Destruction and Conservation of Cultural Property*. London: Rutledge, 2001

Lahiri, N. *Marshaling the Past - Ancient India and its Modern Histories*. Ranikhet: Permanent Black. 2012, Chapters 4 and 5.

S.S. Biswas, *Protecting the Cultural Heritage (National Legislations and International Conventions)*. New Delhi: INTACH, 1999.

Suggested Readings

Acts, Charters and Conventions are available on the UNESCO and ASI websites (www.unesco.org; www.asi.nic.in)

Agrawal, O.P., *Essentials of Conservation and Museology*, Delhi,

2006_Chainani, S. 2007. *Heritage and Environment*. Mumbai:

Urban Design Research Institute, 2007

Skill Enhancement Courses

Semester - IV

Paper – II (Option offered)

2 Credits, Total marks - 50

Understanding Popular Culture

Total – 40 Lectures

I. Introduction

- a. Defining elite and popular culture
- b. Differences in their forms, contents and patterns of presentations
- c. Changing traditions of Folk songs, music, literature and dances

II. Visual Expressions

- a. Folk Art, Calendar Art, Photography
- b. Audio-visual mode of presentation cinema & television
- c. Expressions of popular culture in dance , drama, films and painting.

III. Performance and Participations

- a. Theatre, music, folk songs and jatra:
- b. Identifying themes, functionality, anxieties.
- c. Fairs, Festivals and Rituals, Disentangling mythological stories, patronage, regional variations.

IV. Popular Culture in a globalized world

The impact of the internet and audio-visual media on popular culture

Essential Readings

1. W.Dissanayake, and K. M. Gokul Singh, Indian Popular Cinema, Trentham Book, London, 2004
2. John Storey, Cultural Theory and Popular Culture, London, 2001
3. Patricia Oberoi, Freedom and Destiny: Gender, Family and Popular Culture in India, Delhi, 2009
4. Camera Indica: The Social Life of Indian Photographs, Chicago, 1998
5. Pankaj Rag, Dhunoke Yatri, Rajkamal, New Delhi, 2006
6. A.K. Ramanujan, (Hindi) Folktales from India: A Selection of Oral Tales from Twenty-two Languages (Only Introduction).
7. V.Ramaswamy, 'Women and the 'Domestic' in Tamil Folk Songs' in Kumkum Sangari and Uma Chakravarti, eds., From Myths to Markets: Essays on Gender, Shimla, 1999
8. Lata Singh, (ed.), Theatre in Colonial India: Playhouse of Power, New Delhi, 2009
9. Mihir Kamilya Chowdhury, (Bengali) Rarher Janajati O lokosanskriti, Burdwan University, Burdwan, 2006
10. Probodh Kumar Bhowmick, Socio-Cultural Profile of Frontier Bengal, Kolkata, 1976
11. D.D. Kosambi, Myth and Reality, 1961
12. Debiprasad Chattopadhyay, Lokayata
13. Amalendu Mitra, (Bengali) Rarher Sanskriti O Dharma Rajthakur
14. Amiyo Kumar Bandyopadhyay (Bengali), Bankura Mandir
15. Binoy Ghosh, (Bengali) Paschim Banglar Sanskriti
16. Niharanjan Roy, (Bengali) Bangalir Itihas
17. Sudhir Kumar Karan, (Bengali) Simanta Banglar Lokojan
18. Tarapada Santra, (Bengali) Paschim Banger Lokoshilpa O Shilpi Samaj
19. Debiprasad Chattopadhyay, (Bengali) Lokayata Darshan
20. Asutosh Bhattacharya, (Bengali) Banglar Lokosrutu, 1960

Paper – II (OR)

Skill Enhancement Courses

Semester - IV

2 Credits, Total marks - 50

Art Appreciation: An Understanding to Indian Art

Total – 40 Lectures

The purpose of this course is to introduce students to Indian art, from ancient to contemporary times, in order to understand and appreciate its diversity and its aesthetic richness. The course will equip students with the abilities to understand art as a medium of cultural expression. It will give students direct exposure to Indian art through visuals, and visits to sites and museums.

I. Prehistoric and protohistoric art: _Rock art; Harappan arts and crafts

I. Indian art (c. 600 BCE – 600 CE):

World Heritage Site Managers, UNESCO World Heritage Manuals [can be downloaded/ accessed at www.unesco.org]
Notions of art and craft_Canons of Indian paintings_Major developments in stupa, cave, and temple art and architecture Early Indian sculpture: style and iconography_Numismatic art

III. Indian Art (c. 600 CE – 1200 CE) :_Temple forms and their architectural features_Early illustrated manuscripts and mural painting traditions Early medieval sculpture: style and iconography_Indian bronzes or metal icons

IV. Indian art and architecture (c. 1200 CE – 1800 CE) :
_Sultanate and Mughal architecture_Minature painting traditions: Mughal, Rajasthani,Pahari Introduction to fort, palace and haveli Architecture

V. Modern and Contemporary Indian art and Architecture:

The Colonial Period_Art movements: Bengal School of Art, Progressive Artists Group, etc. Major artists and their artworks_Popular art forms (folk art traditions)

Essential Readings

Neumayer, Erwin, Lines of Stone: The pre-historic rock-art of India, South Asia Books, 1993

Goswamy, B.N., Essence of Indian Art, Asian Art Museum of San Francisco, 1986

Huntington, Susan, The Art of Ancient India: Hindu, Buddhist, Jain,

Weatherhill, 1985

57

Guha-Thakurta, Tapati, The making of a new modern Indian art: Aesthetics and nationalism in Bengal, 1850-1920, Cambridge University Press, 1992

Suggested Readings:

Mitter, Partha, Indian Art, Oxford History of Art series, Oxford University Press, 2001 Dhar, Parul Pandya, ed., 2011, Indian Art History Changing Perspectives, New Delhi: D.K.

Printworld and National Museum Institute (Introduction).

Beach, M.C., The New Cambridge History of India I: 3, Mughal and Rajput Painting, Cambridge University Press, 1992.

Ray, Niharranjan, An Approach to Indian Art, Calcutta, 1970

The University of Burdwan



Syllabus for B.A. (Honours)
in
Mass Communication & Journalism
under Choice Based Credit System
w.e.f. 2017-2018

Semester wise Structure

B.A. (HONOURS) IN MASS COMMUNICATION & JOURNALISM

SEM		AECC	SEC	DSE	GE
I	CC1 :INTRODUCTION TO JOURNALISM CC2: INTRODUCTION TO MEDIA AND COMMUNICATION	ENVS			GE 1: ANY DISCIPLINE OTHER THAN MCJ
II	CC:3 REPORTING AND EDITING FOR PRINT CC4: DEVELOPMENT OF MEDIA IN INDIA AND BENGAL	ENGLISH / MIL			GE 2: ANY DISCIPLINE OTHER THAN MCJ
III	CC5: INTRODUCTION TO BROADCAST MEDIA – RADIO CC6: INTRODUCTION TO BROADCAST MEDIA – TELEVISION CC7: ADVERTISING AND PUBLIC RELATIONS		SEC – 1 RADIO PRODUCTION OR DEVELOPMENT JOURNALISM		GE 3: ANY DISCIPLINE OTHER THAN MCJ
IV	CC8 :INTRODUCTION TO NEW MEDIA CC9: DEVELOPMENT COMMUNICATION CC10: MEDIA ETHICS AND LAW		SEC – 2 DOCUMENTARY PRODUCTION OR PHOTOGRAPHY		GE 4: ANY DISCIPLINE OTHER THAN MCJ

<p>V</p>	<p>CC11: GLOBAL MEDIA AND POLITICS</p> <p>CC12: INTRODUCTION TO FILM STUDIES</p>			<p>DSE – 1 COMMUNICATION RESEARCH AND METHODS</p> <p>OR PRINT JOURNALISM AND PRODUCTION</p> <p>DSE –2 CORPORATE SOCIAL RESPONSIBILITY</p> <p>OR MEDIA GENDER AND HUMAN RIGHTS</p>	
<p>VI</p>	<p>CC13: RURAL COMMUNICATION</p> <p>CC14: MEDIA INDUSTRY AND MANAGEMENT</p>			<p>DSE –3 MULTIMEDIA JOURNALISM</p> <p>OR DISSERTATION</p> <p>DSE- 4 MEDIA & INDUSTRY</p> <p>OR COMMUNITY OUTREACH PROGRAMME</p>	

B A (HONOURS) IN MASS COMMUNICATION & JOURNALISM

SEMESTER	PAPER CODE	PAPER NAME	THEORY	PRACTICAL	TUTORIAL
I	CC1	INTRODUCTION TO JOURNALISM	5	0	1
	CC2	INTRODUCTION TO MEDIA AND COMMUNICATION	5	0	1
	GE 1	BASICS OF JOURNALISM (ANY DISCIPLINE OTHER THAN MCJ)	5	0	1
	AECC1	ENVS	4	0	0
II	CC3	REPORTING AND EDITING FOR PRINT	5	0	1
	CC4	DEVELOPMENT OF MEDIA IN INDIA AND BENGAL	5	0	1
	GE 2	PHOTOGRAPHY (ANY DISCIPLINE OTHER THAN MCJ)	5	0	1
	AECC2	ENGLISH / MIL	2	0	0
III	CC5	INTRODUCTION TO BROADCAST MEDIA – RADIO	5	0	1
	CC6	INTRODUCTION TO BROADCAST MEDIA – TELEVISION	5	0	1
	CC7	ADVERTISING AND PUBLIC RELATIONS	5	0	1
	SEC 1	RADIO PRODUCTION OR DEVELOPMENT JOURNALISM	2	0	0
	GE 3	FILM APPRECIATION (ANY DISCIPLINE OTHER THAN MCJ)	5	0	1
IV	CC8	INTRODUCTION TO NEW MEDIA	5	0	1
	CC9	DEVELOPMENT COMMUNICATION	5	0	1
	CC10	MEDIA ETHICS AND LAW	5	0	1
	SEC 2	DOCUMENTARY PRODUCTION OR PHOTOGRAPHY	0	2	0
	GE 4	DOCUMENTARY PRODUCTION (ANY DISCIPLINE OTHER THAN	0	6	0

		MCJ)			
V	CC11	GLOBAL MEDIA AND POLITICS	5	0	1
	CC12	INTRODUCTION TO FILM STUDIES	5	0	1
	DSE 1	COMMUNICATION RESEARCH AND METHODS OR PRINT JOURNALISM AND PRODUCTION	5	0	1
	DSE 2	CORPORATE SOCIAL RESPONSIBILITY OR MEDIA GENDAR AND HUMAN RIGHTS	5	0	1
VI	CC13	RURAL COMMUNICATION	5	0	1
	CC14	MEDIA INDUSTRY AND MANAGEMENT	5	0	1
	DSE 3	MULTIMEDIA JOURNALISM OR DISSERTATION	5 0	0 6	1 0
	DSE 4	MEDIA & INDUSTRY OR COMMUNITY OUTREACH PROGRAMME	5 0	0 6	1 0

Semester I

CC1:

Introduction to Journalism

75 Marks, 6 Credits

(Total No of Classes – 60)

Course Contents:

- **Unit 1** - Understanding News Ingredients of news News: meaning, definition, nature
The news process : from the event to the reader (how news is carried from event to reader)
Subjectivity, Objectivity of news, Proximity of news, Ethics of Journalism
Hard news vs. Soft news, basic components of a news story Attribution, embargo ,
verification, balance and fairness, brevity, dateline ,credit line, by line.
(*20 Classes*)
- **Unit2**-Different forms of print-A historical Perspective Yellow journalism, .Print,
electronic, and Digital media, Citizen journalism-from letter to the editor to whats app
reporters-Print to digitalization Penny press, tabloid press Language of news- Robert
Gunning: Principles of clear writing Rudolf (*10
Classes*)
- **Unit 3** - Understanding the structure and construction of news organizing a news
story, 5W's and 1H, Inverted pyramid Criteria for news worthiness, principles of
news selection Use of archives, sources of news, use of internet (*10 Classes*)
- **Unit 4**– Different mediums-a comparison Language and principle soft writing:
Basic differences between the print, electronic and on line journalism, Citizen
journalism (*10 Classes*)
- **Unit 5** - Role of Media in a Democracy Responsibility to Society Press and
Democracy Contemporary debates and issues relating to media Contemporary issues
of media, Rights to privacy, Fake news & Paid news (*10 Classes*)

Readings:

1. Bruce D. Itule and Douglas A. Anderson. *News writing and reporting for today's media*; McGraw Hill Publication , 2000.
2. M.L. Stein, Susan Paterno & R. Christopher Burnett. *News writer's Handbook: An Introduction to Journalism*;Black well Publishing,2006.
3. George Rodmann. *Mass MediainaChangingWorld*;Mcgraw Hill Publication,2007.
4. Carole Flemming and Emma Hemmingway. *An Introduction to Journalism*; Vistaar Publications, 2006.
5. Richard Keeble. *The Newspaper's Handbook* ;Routledge Publication,2006.

CC2:

Introduction to Media and Communication

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

Unit I --Media and Everyday Life : Discussions around mediated and non-mediated communication Media and Everyday life could cover the impact of (Educate ,inform and entertain) of print, Radio ,and digital media
(05 Classes)

Unit II –Communication and Mass Communication Forms of Communication, Levels of Communication: the form of communication methods- verbal, nonverbal And the level of communication :Intra, Inter, Group, Organizational, Mass communication Mass Communication and its Process : SMCR and Wilbur Schram model Normative Theories of the Press Media and the Public Sphere means: Formation of public sphere (State, market and civil society) And formation of public opinion
(20 classes)

Unit III– Mass Communication and Effects Paradigm Direct Effects; Mass Society Theory, Propaganda Limited Effects; Individual Difference Theory, Personal Influence Theory
(8 Classes)

Unit IV--Cultural Effects and the Emergence of an Alternative Paradigm Cultural Effects: Agenda Setting, Effects on Audience and Society (Lasswell Model) Propaganda:-Noam Chomsky Hypodermic model Spiral of Silence, Cultivation Analysis Critique of the effects Paradigm and emergence of alternative paradigm
(10 Classes)

Unit V–Four Models of Communication, Transmission models, Ritual or Expressive models Publicity Model Reception Model : Culture and effects model- HUB MODEL
(15 Classes)

Readings:

1. Michael Ruffner and Michael Burgoon, *Interpersonal Communication* (New York, Holt, Rinehart and Winston 1981, 21-34; 59-72
2. John Fiske, *Introduction to Communication Studies*, (Routledge 1982), pp 1-38
3. Dennis McQuail, *Mass Communication Theory*, (London, Sage, 2000), pp 1-11; 41-54; 121-133 (fourth Edition)
4. Baran and Davis, *Mass Communication Theory*, Indian Edition, (South West Coengage Learning, 2006) pages 42-64; 71-84; 148-153; 298-236
5. Kevin Williams, *Understanding Media Theory*, (2003), pp.168-188
6. Robin Jeffrey, *Cell Phone Nation: How Mobile Phones have Revolutionized Business, Politics and Ordinary Life in India*. New Delhi: Hachette (2013)
7. Ravi Sundaram, *The Art of Rumour in the Age of Digital Reproduction*, *The Hindu*, August 19, 2012 <http://www.thehindu.com/news/national/the-art-of-rumour-in-the-age-of-digital-reproduction/article3792723.ece> (Unit 1)
8. Shohini Ghosh, “Inner and Outer Worlds of Emergent Television Cultures,” in *No Limits: Media Studies from India*, Ed. Ravi Sundaram. New Delhi: Oxford (2013)

Internal Assessment: (Attempt any three out of four) for paper CCI and CC2

1. Power point presentation-any contemporary issues,or media in everyday life use maximum eight number of slides
2. Report writing selects any two nation dailies of their page one and national page. Coverage of news-7 days finally makes an analytical report on selected hard and soft news.
3. Group Discussion-Press and Democracy,media and society
4. Debate:Media culture and society
5. Class Test

SEMESTER II

CC3:

Reporting and Editing for Print

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

UNIT 1 – Covering news : Reporter- role, functions and qualities General assignment reporting/working on a beat; news agency reporting. Covering Speeches, Meetings and Press Conferences Covering of beats- crime, courts, city reporting, local reporting, hospitals, health, education, sports;

UNIT 2-- Interviewing/Types of news leads Interviewing: doing the research, setting up the interview, conducting the interview News Leads/intros, Structure of the News Story– Inverted Pyramid style; Lead: importance, types of lead; body of the story; attribution, verification Articles, features, types of features and human interest stories, leads for features, difference between articles and features.

UNIT 3 -- The Newspaper newsroom News room, Organizational setup of a newspaper, Editorial department Introduction to editing: Principles of editing, Headlines; importance, functions of headlines, typography and style, language, types of headline, style sheet, importance of pictures, selection of news pictures Role of sub/copy-editor, News editor and Editor, chief of bureau, correspondents Editorial page: structure, purpose, edits, middles, letters to the editor, special articles, light leader Opinion pieces, op. Ed page

UNIT 4 - Trends in sectional news Week-end pull outs, Supplements, Backgrounders columns/columnists

UNIT 5 -- Understanding media and news Sociology of news: factors affecting news treatment, paid news, agenda setting, pressures in the newsroom, trial by media, gate keepers. Objectivity and politics of news Neutrality and bias in news

Readings

1. The Art of Editing, Baskette and Scissors, Allyn and Bacon Publication
2. Dynamics of Journalism and Art of Editing, S.N. Chaturvedi, Cyber Tech Publications

3. News Writing and Reporting for Today's Media, Bruce Itule and Douglas Anderson, McGraw Hill Publication
4. Modern newspaper practice: A primer on the press, F.W. Hodgson, Focal Press
Reporting for the Media, Fred Fedler and John R. Bender, Oxford University Press
The Newspaper's Handbook, Richard Keeble, Routledge Publication
5. Principles of Editorial Writing, MacDougall and Curtis Daniel, W.C. Brown Co. Publishers
News Reporting and Writing, Mencher, Melvin. McGraw Hill, NY. 2003
6. Mass Communication Theory, Denis McQuail, Sage Publications
7. Reporting for the Print media'. (2nd ed.); Fedler, Fred. Harcourt, Bruce Jovanovich Inc., NY. 1979

Internal Assessment:

Internal assessment may be based on covering the beats and writing reports / interviewing personalities, celebrities etc. Exercises on editing copies, writing headlines, writing features, structuring a dummy editorial page, writing editorials etc. Discussions on current affairs, tests, debates and tests may be held regularly.

CC4:

Development of Media in India and Bengal

75 Marks, 6 Credits

(Total No of Classes – 60)

Unit 1- Growth and Development of the Press - Early days of the Press, Growth and Development of the Press in India and Abroad , Contributions of the early thinkers in colonial India - . James Augustus Hickey, James Silk Buckingham, Missionary of Baptists , William Carey

Unit 2 -Indian Press – Some Major Journals and Newspapers of Pre Independence days , Bengal Gazette, Samachar Darpan, Calcutta Journal , Sambad Kaumudi , Samachar Chandrika , Bengal Spectator Parthenon , Gyananweshan , Sambad Pravakar , Yugantar

Unit 3- Role of Derozio , Sishir Basu & Amritabazar Patrika , Harish Chandra Mukhopadhyay & Hindoo Patriot , Brahmabandhab Upadhyay, role of Raja Rammohan Roy , Gandhiji as a political communicator, journalist and editor

Unit 4 - Indian telegraphic Act, Press & Registration Book Act, Adams Gag (1823) , Vernacular Press Act (1878) , Press in the Post - colonial India, Adoption of New Editorial Policy Corporatization of Newspaper Houses, Social, Political and Economic Issues and the Role of the Indian Press

Unit 5- Recent development in Indian Press, Advent of Radio and Television in India, Emergence of Radio in Pre-independence period, All India Radio , Doordarshan, Magazine journalism, Press in emergency period, Cable TV and Satellite Television

Readings

1. History of Indian Journalism: J. Natarajan.
2. Journalism In India: Ranswami Parthasarathi.
3. Banglar Renaissance: Susobhan Sarkar.
5. History of Journalism- Mohit Mitra.
6. The Press- Chalapati Rao.
7. History of Indian Press: S.Natarajan.
8. Romance of Indian Journalism: J.N.Basu.
9. Critique of Colonial India: Sumit Sarkar.
10. Briggs, A and Burke, P, Social History of Media: From Gutenberg to the Internet, (Polity Press, 2010), (Chapter 2 and Chapter 5)
11. ParthasarthyRangaswami, Journalism in India from the Earliest to the Present Day, (Sterling Publishers, 1989).
12. Jeffrey, Robin, India's Newspaper Revolution: Capitalism, Politics and the Indian Language Press, (New Delhi, Oxford 2003)
13. Manuel, Peter, Caste Culture and the Mass Media, (Chicago, University of Chicago Press, 1993), 1-32
Chatterjee, P.C, Broadcasting in India page (New Delhi, Sage, 1991)-39-57

SEMESTER III

CC5

Introduction to Broadcast Media – Radio

75 Marks, 6 Credits

(Total No of Classes – 60)

Course Contents:

Unit 1 Development of Radio - Radio as a medium of communication , Emergence and development of Radio broadcasting , AIR and its role as a medium of mass communication , AIR, BBC, VOA- management and comparative profile , internet radio, HAM Radio,

Unit 2- Radio news, Types of radio news bulletins and their structures, Style and presentation of Radio news , News reader- qualities and duties , Radio newsroom- structure and function , OB VAN, News production, Live broadcasting, News Service Division

Unit-3- Radio Programme, Radio interview, types format of interview, panel discussion, Radio talk, Radio feature, radio package, illustrated reading, Story telling

Unit 4 - Radio Production & editing - Art of scripting , uses , norms of microphones, different forms of microphones, Acoustic treatment of audio studio, Digital editing- sound card etc , Uses of Sound effects, Digital Editing consoles, audio mixing techniques Digital editing through Sound Wrap- up, cross fade , Editor & Editing- dos and don'ts , production and post-production, radio programme budget

Unit 5 - FM broadcasting, Emergences of Public & Private FM in India, Format of FM programme Popularity and acceptance of FM among audience, Market potentiality of FM programme , radio in rural India Community radio- scope and applications, Community Radio in India, Community radio in Nepal & Bangladesh , Content and coverage of rural based programme in Radio

Readings:

1. Chatterjee, P.C., Broadcasting in India
2. Luthra, H.R., Indian Broadcasting. Publications Division, Govt. of India
3. Bhatt, S.C., Broadcast Journalism: Basic Principles
4. Baruah, U.L., This is All India Radio, Publications Division, New Delhi.
5. Shrivastava, K.M., Radio and TV Journalism, Sterling Publishers Pvt. Ltd., New Delhi
6. Masani, Mehra :Broadcasting and People - National Book Trust, NewDelhi,1997
7. Akash Bharti National Broadcast Trust : Publication Division, New Delhi, 1987 8. Radio & TV Journalism: Srivastava, K.M.
- 8.NeurathP.“RadioFarmForumasaToolofChangeinIndianVillages,”Economic Developmentof Cultural Change, vol 10, No. 3 (pp 275-283)
14. DavidPageandWilliamCrawley,*SatellitesOverSouthAsia*,(Sage,2001)Chapter2, chapter 8and Chapter 9.
15. Das,Biswajit,“MediatingModernity:ColonialDiscourseandRadioBroadcastinginIndia,”*CommunicationProcessesVoll:MediaandMediation*,B.Bel,B.Das,J.Brower,Vibhodh Parthasarathi,G.Poitevin(Ed.)(Sage2005)
16. Parthasarathi, Vibhodh,“Constructinga‘NewMediaMarket:MerchandisingtheTalking Machine”in *CommunicationProcessesVoll:MediaandMediation*,B.Bel,B.Das,J.Brower,VibhodhParthasarathi,G.Poitevin(Ed.)(Sage2005)

Suggestive projects

- Script writing
- Presentation of experimental genre in Radio
- Presentation about PSBT and such organizations.
- Script on sound effect Presentation
- Script on radio ad/ jingles

**CC6:
Introduction to Broadcast Media – TV**

**75 Marks, 6 Credits
(Total No of Classes – 60)**

Course Contents:

Unit -1History of Television

Invention to Telecast; Inception in different countries; Television in India; Doordarshan; Nationwide Network Formation; Programmes; Types; National; Transmission; Prasar Bharati ;Community Television ;Satellite Television Advent in India; Public Service Broadcasters

Unit 2 - Different Types of channels International/National/Regional Specialty channels; Entertainment/Sports/News; Doordarshan versus satellite channels.

Unit 3- Camera Usage in News , Basic camera shots; Camera Angles, Camera Movements; Visual Grammar; Focusing; Visual Perspective

Unit 4 - Television News and News Room, Writing Techniques; Characteristics, Basic elements; Electronic News Gathering (ENG) & Electronic field Production (EFP) Elements of a Television News Story: Gathering, Writing/Reporting. Elements of a Television News Bulletins; Structure and composition of News Room; Duties &Responsibilities of the personnel

Unit 5 -Television Programme, News; Interview; Discussion; Chat Shows etc Changing Character of Television News (24-hrs news format, News Production cycle, News 'Lingo', 'News', 'Formulae') News as Event, Performance and Construction.

Readings:

- 1.Shrivastava, K.M., Radio and TV Journalism, Sterling Publishers Pvt. Ltd., New Delhi
2. Mitchell Stephen, Holt - Broadcast News, Radio Journalism and an introduction to Television. Rinehart & Winston
3. Stuart W. Hyde, Television and Radio Announcing, Kanishka Publishers, Delhi
- 4.Acharya, R.N., Television in India, Manas Publication, Delhi
- 5.Desai M K Television in India Authors press New Delhi
- 6.Chatterjee P.C. Broadcasting in India, Sage, New Delhi,
7. Gerald Millerson. The Technique of Television Production, 12th ed. Focal Press, London
- 8.John V. Vilanilam, "The Socio Cultural dynamics of Indian Television: From SITE to Insight to Privatisation," in *Television in Contemporary Asia* by David French and Michael Richards (Ed)(Sage, 2000)

Topics for Student Presentations

- Script writing
- Presentation of experimental genere in TV
Script on TV Ad

- Presentation of Commercial Channel functions.
- Presentation on global broadcasting models & Indian Broadcasting Models

1. A comparative study of a Community Radio project and any of AIR's Local Radio stations.
2. A case study of radio programmes like *Faujibhaiyonkeliye* and *behnokakaryakram* and *kutchmahila radio*
3. Trace the transformation of certain traditional musical genres like devotional music, ghazals and folk songs with the advent of cassette technology
3. Compare the history of Cinema with the history of other visual media.
4. Do a visual presentation on cartoons that appeared in Indian Newspapers during the period of Emergency and the debate around censorship of media by the Indian state.
5. Presentations on the importance of archiving. The state of archives of Indian cinema, Newspapers, music and photographs.
6. A discussion on digital archives.

CC7:

Advertising and Public Relations

75 Marks, 6 Credits
(Total No of Classes – 60)

Course contents:

Unit 1-Introduction to Advertising Meaning and history Advertising Importance and Functions

- a) Advertising as a tool of communication,
- b) Role of Advertising in Marketing mix, PR

Advertising Theories and Models – AIDA model, DAGMAR Model, Maslow's Hierarchy Model, communication theories applied to advertising

Types of advertising and New trends: Economic, cultural, Psychological and Social aspects of advertising, Ethical & Regulatory Aspects of Advertising-Apex Bodies in Advertising- AAI, ASCI and their codes.

Unit 2- Advertising through Print, electronic and online media Types of Media for advertising, Advertising Objectives, Segmentation, Positioning and Targeting Media as election, Planning, Scheduling Marketing Strategy and Research and Branding Advertising department vs. Agency-Structure, and Functions Advertising Budget Campaign Planning, Creation and Production

Unit-3 Public Relations – Concepts and practices Introduction to Public Relations Growth and development of PR Importance, Role and Functions of PR Principles and Tools of Public relations Organization of Public relations: In house department vs consultancy. PR in govt. and Private Sectors. Govt's Print, Electronic, Publicity, Film and Related Media Organizations

Unit 4-PR –Publics and campaigns, Research for PR, Managing promotions and functions

PR Campaign-planning, execution, evaluation Role of PR in Crisis management
Ethical issues in PR- Apex bodies in PR- IPR Code- PRSI, PSPF and their codes.

Unit 5–Social Media Marketing, Social Media Technologies and Management Integrated Marketing Communication Developing Social Networks, Social Media Strategies, Tactics and Ethics Social Media Tools, Measurement Strategies and ROI

List of Projects

1. Design and copy for a product
2. Script writing for electronic media (Radio jingle, TV Commercial)
3. Planning & Designing advertising campaigns
4. Critical evaluation of advertisements
5. Writing a press release.
6. Planning and designing PR campaign
7. Assignment on crisis management

Readings

1. David Ogilvy, Ogilvy on Advertising, Pan/ Prion Books
2. Frank Jefkins, Advertising Made Simple, Rupa & Co.
3. Chunawalla, Advertising Theory And Practice, Himalaya Publishing House
4. Jethwaney Jaishri, Advertising, Phoenix Publishing House
5. Jefkins Frank Butterworth, Public Relation Techniques, Heinmann Ltd.
6. Heath Robert L, Handbook of Public Relations, Sage Publications,
7. Dennis L. Wilcoxe & Glen T, Public Relations, Pearson
8. Cutlip S. Mand Center A.H., Effective Public Relations, Prentice Hall
9. Kaul J. M., Noya Prakash, Public Relation in India, Calcutta

SEMESTER IV

CC8:

Introduction to New Media

75 Marks, 6 Credits
(Total No of Classes – 60)

Course Contents:

Unit 1 Key Concepts and Theory

Defining new media, terminologies and their meanings – Digital media, new media, online media *et al.*; Information society and new media, Technological Determinism, Computer- mediated-Communication (CMC), Networked Society.

Unit 2 Understanding Virtual Cultures and Digital Journalism

Internet and its Beginnings, Remediation and New Media technologies, Online Communities, User Generated Content and Web 2.0, Networked Journalism, Alternative Journalism; Social Media in Context, Activism and New Media

Unit 3 Digitization of Journalism, Authorship and what it means in a digital age, Piracy,

Copyright, Copy left and Open Source, Digital archives, New Media and Ethics

Unit 4 Overview of Web Writing Linear and Non-linear writing, Contextualized Journalism, Writing Techniques, Linking, Multimedia, Storytelling structures

Unit 5 Visual and Content Design Website planning and visual design, Content strategy and Audience Analysis, Brief history of Blogging, Creating and Promoting a Blog.

Suggested Readings:

Vincent Miller. Understanding digital culture. Sage Publications, 2011.

LevManovich.2001.“WhatisNewMedia?”InTheLanguageofNewMedia. Cambridge:MITPress.pp.19-48.

Siapera, Eugenia. Understanding new media. Sage, 2011. Introduction.

Baym,NancyK.PersonalConnectionsinthedigitalAge.Polity,2010.Chapter3.

Goldsmith, Jack, and Tim Wu. 2006. Who Controls the Internet? Illusions of Borderless World. Oxford University Press US.

O’Reilly, Tim. (2005). What is web 2.0: Design patterns and business models for the next generations software. O’Reilly.com, retrieved from <http://oreilly.com/web2/archive/whatisweb-20.html>

Grossman, “Iran Protests: Twitter, the Medium of the Movement”

Lemann,Nicholas.2006.AmateurHour:JournalismwithoutJournalists.

The New Yorker, August 7. Available at http://www.newyorker.com/archive/2006/08/07/060807fa_fact1

Xiang,Biao.2005.Gender,Dowry and the Migration System of Indian Information Technology Professionals. Indian Journal of Gender Studies 12: 357-380.

CC 9 :

Development Communication

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

UNIT 1

Development: Concept, concerns, paradigms Concept of development Measurement of development Development versus growth Human development Development as freedom

UNIT 2

Models of development Basic needs model Nehruvian model Gandhian model

UNIT 3

Developing countries versus developed countries UN millennium dev goals Development communication: Concept and approaches Paradigms of development :Dominant paradigm, dependency, alternative paradigm Dev comm. approaches – diffusion of innovation, empathy, magic multiplier Alternative Devcomm. approaches: Sustainable Development

Participatory Development Inclusive Development Gender and development Development support comm.–definition, genesis, area wood striangle

UNIT 4

Role of media in development Mass Media as a tool for development Creativity, role and performance of each media-comparative study of pre and post liberalization eras Role, performance record of each medium-print, radio, tv, video, traditional media

UNIT 5

Role of development agencies and NGOs in development communication Critical appraisal of dev comm. programmes and govt. schemes: SITE, Krishi Darshan, Kheda, Jhabua, MNREGA; Cyber media and dev – e- governance, e chaupal, national knowledge network, ICT for dev Narrow casting Development support communication in India in the areas of: agriculture, health & family welfare, population, women empowerment, poverty, unemployment, energy and environment, literacy, consumer awareness, Right to Information(RTI).

Suggested Readings:

Rogers Everett M: Communication and Development – Critical Perspective, Sage, New Delhi, 2000

Srinivas R. Melkote & H. Leslie Steeves: Communication For Development In The Third World, Sage Publications.

Belmont CA: Technology Communication Behaviour, Wordsworth Publication, NewDelhi,2001.

Dr. Anil Kumar: Mass Media and Development Issues, Bharti Prakashan, UpadhyayVaranasi,2007.

UNDP: Human Development Report (published every year),Oxford University Press, New Delhi.

World Bank: World Development Report (published every year)Oxford University Press, New Delhi.

Wilbur Schramm: Mass Media and National Development- the role of information in developing countries, UNESCO/Stanford University Press, 1964.

Amartya Sen: Development as freedom, Alfred A Knopf,NewYork,1999.

Daya Thussu: Media on the move: Global flow and contra flow: Routledge, London,2006.

D V R Murthy : Development Journalism, What Next? Kanishka Publication, New Delhi, 2007.

Ghosh & Pramanik: Panchayat System in India, Kanishka Publication, New Delhi,2007.

Shivani Dharmarajan: NGOs as Prime Movers, Kanishka Publication, New Delhi,2007.

What Do We Mean By Development: An Article by Nora C Quebral in International Development Review, Feb, 1973, P-25.

Modern Media in Social Development : Harish Khanna.

CC 10 :

Media Ethics and the Law

**75 Marks, 6 Credits
(Total No of Classes – 60)**

Course Contents:

Unit-I Ethical Framework And Media practice Freedom of expression (Article19 (1) (a) and Article19 (1) 2) Freedom of expression and defamation- Libel and slander Issues of privacy and Surveillance in Society Right to Information, Working journalist act, Contempt of court

Unit 2 Media Technology and Ethical Parameters Live reporting and ethics Legality and Ethicality of Sting Operations, Phone Tapping etc Ethical issues in Social media (ITAct 2000,Sec66A and the verdict of The Supreme Court) Discussion of Important cases-eg- Operation Westend, Some Related laws- Relevant sections of Broadcast Bill, NBA guidelines

Unit 3- Representation and ethics, Advertisement and Women Pornography, Related Laws and case studies- Indecent representation of Women (Prohibition) Act, 1986 and rules 1987, Protection of Women against Sexual Harassment Bill, 2007, Sec 67 of IT Act 2000 and 292 IPC etc

Unit4- Media and Regulation Regulatory bodies, Codes and Ethical Guidelines Self Regulation Media Content- Debates on morality and Accountability: Taste, Culture and Taboo, Censorship and media debates

Unit 5- Media and Social Responsibility Economic Pressures Media reportage of marginalized sections- children, dalits, tribals, Gender Media coverage of violence and related laws - inflammatory writing (IPC 353), Sedition- incitement to violence, hate Speech. Relevant Case Studies on defamation, contempt of court

Essential Reading list:

- Thakurta, Paranjy Guha, Media Ethics, Oxford University Press, 2009
- Barriemc Donald and Michelpetheran Media Ethics, mansell, 1998
- Austin Sarat Where Law Meets Popular Culture (ed.), The University of Alabama Press ,2011
- Vikram Raghvan, Communication Law in India, Lexis Nexis Publication, 2007
- Iyer Vekat, Mass Media Laws and Regulations in India- Published by AMIC, 2000
- William Mazzarella, Censorium: Cinema and the Open Edge of Mass Publicity
- Raminder Kaur, William Mazzarella, Censorship in South Asia: Cultural Regulation from Sedition to Seduction

- Linda Williams, *Hard Core: Power, Pleasure, and the "Frenzy of the Visible"*

SEMESTER V

CC11 :

Global Media and Politics

75 Marks, 6 Credits
(Total No of Classes – 60)

Course Contents:

Unit 1: Media and international communication: The advent of popular media- a brief overview , Propaganda in the inter-war years: Nazi Propaganda, Radio and international communication

Unit II: Media and super power rivalry: Media during the Cold War, Vietnam War, Disintegration of USSR; Radio free Europe, Radio Liberty, Voice of America
Communication debates: NWICO, McBride Commission and UNESCO Unequal development and Third World concerns: North-South, Rich–Poor

Unit III: Global Conflict and Global Media World Wars and Media Coverage post 1990: Rise of Al Jazeera The Gulf Wars: CNN’s satellite transmission, embedded Journalism 9/11 and implications for the media

Unit IV: Media and Cultural Globalization Cultural Imperialism, Cultural politics: media hegemony and Global cultures, homogenization, the English language Local/Global, Local/ Hybrid

Unit V: Media and the Global market Discourses of Globalisation: barrier–free economy, multinationals, technological developments, digital divide Media conglomerates and monopolies: Ted Turner/Rupert Murdoch Global and regional integrations: Zee TV a Pan-Indian Channel; Bollywood Entertainment: Local adaptations of global programmes KBC/ Big Boss/ Others

Suggested readings:

- Daya Kishan Thussu. *International Communication: Continuity and Change*, Oxford University Press, 2003.
- Yahya R. Kamalipour and Nancy Snow. *War, Media and Propaganda– A Global Perspective*, Rowman and Littlefield Publishing Group, 2004.
- Communication and Society, Today and Tomorrow “*Many Voices One World*” Unesco Publication, Rowman and Littlefield publishers, 2004.
- Barbie Zelizer and Stuart Allan. *Journalism after 9/11*, Taylor and Francis Publication, 2012.
- Daya Kishan Thussu. *War and the media: Reporting conflict 24x7*, Sage Publications, 2003.

- Stuart Allan and Barbie Zelizer. *Reporting war: Journalism in wartime*, Routledge Publication, 2004.
- Lee Artz and Yahya R. Kamalipor. *The Globalization of Corporate Media Hegemony*, New York Press, 2003.
- Yadava, J.S., *Politics of news*, Concept Publishing and Co. 1984.
- Zahida Hussain and Vanita Ray. *Media and communications in the third world countries*, Gyan Publications, 2007.

Additional Readings:

- Choudhary, Kameswar (ed) *Globalisation, Governance Reforms and Development in India*, Sage, New Delhi, 2007.
- Patnaik, B.N & Imtiaz Hasnain (ed). *Globalisation: language, Culture and Media*, Indian Institute of Advanced Studies, Shimla, 2006.
- Monroe, Price. *Media Globalisation 'Media and Sovereignty*, MIT press, Cambridge, 2002.
- Singh, Yogendra. *Culture Change in India: Identity and Globalisation*, Rawat Publication, New Delhi, 2000.
- Lyn Gorman and David McLean. *Media and Society into the 21st Century: A Historical Introduction*. (2nd Edition) Wiley-Blackwell, 2009. pp. 82-135, 208-283.

Internal Assessment:

The internal assessment will be based on assignments, group discussions and tests conducted in class.

CC12 :

INTRODUCTION TO FILM STUDIES

75 Marks, 6 Credits
(Total No of Classes – 60)

Course Contents:

Unit 1 - Birth of Cinema - From magic lantern to moving pictures, From Lumière to Griffith, Early Hollywood: - Charlie Chaplin, iv. Hollywood studio system
Indian cinema: early stage, Brief history of the silent era (1896-1930) ii. Dada Shaheb Phalke. New Theatres, Prabhat, New Talkies

Unit 2 - Stages of film making Pre-production, Production, post-production, Film Language, Image and sound code, Real time and filmic time, Montage. Mise-en-scenes

Unit 3 Classification of cinema, Film genre, Fiction and non-fiction films, Film and Society, Film as an art, Film as a medium of mass communication, Film Censorship

Unit 4 - Film language, Shot, scene, sequence, Camera, Lighting, Sound, Editing, Indian Masters i. Satyajit Roy ii. Ritwik Ghatak

Unit 5 - Film practices , Narrative form, Classical Hollywood cinema, Italian Neo-realism , French New Wave

Readings

1. James Monaco . How to Read a Film: Movies, Media, and Beyond. Oxford University Press. New York. 2009
2. Gordon Gray. Cinema: A Visual Anthropology. Berg. New York. 2010
3. Garth Jowett, James M. Linton. Movies as mass communication. Sage Publications, 1989. 2nd Ed.
4. Khwaja Ahmed Abbas. How Films are made. National Book Trust,1977.
5. Mast G. & M. Cohen. Film Theory & Criticism:
6. Handbook of Film Production. Quick Jon & Tem La Bau , Macmillan,NY,1972
7. Sarkar, Kobita. India Cinema Today: An Analysis. Sterling, New Delhi, 1975.
8. Bordwell, David.. Making Meaning: Inference and Rhetoric in the Interpretation of Cinema . Cambridge: Harvard University Press. 1989
9. Bordwell, David . The Cinema of Eisenstein Cambridge: Harvard University Press. 1993
10. Renu Saran. History of Indian Cinema. Diamond Books. 2012

SEMESTER VI

CC 13 :

Rural Communications

75 Marks, 6 Credits

(Total No of Classes – 60)

Course Contents:

Unit 1- rural development & rural society, rural vs urban- sociological, demographical and cultural perspectives, rural development and agricultural development

Unit 2 - participatory approaches of rural development, rural communication is an integrated communication strategy , model of rural communication, different kits/ tools of rural communication promotion/ rural communication for health, primary education and campaign of other related issues for rural development

Unit 3 - Gandhian view of rural development, social change and rural development, decentralization of power, people's participation, PRIs, communication strategies, communication gap in PRIs

Unit-4 decentralize planning to rural development and role of NGO s,non- agrarian activities and integrated rural development, promotion of rural industries and role of rural communication , rural cooperative and self group

Unit 5- rural media, low cost participatory media, community media in rural development, role of traditional media in rural development, development support communication, participatory

video

Readings:

“New Media and New Technologies” by Lister Dovey, Giddings, Grant & Kelly. (2003).

Rosen, J. “The People Formerly Known as the Audience” What video games have to teach us about language and literacy. New York, NY: Palgrave Macmillan.

Bogost, Ian. Persuasive games: The expressive power of videogames. MIT Press, 2007.

Bosker, “Randi Zuckerberg: Anonymity online has to go away”
Negroponte, N. (1996). Being Digital, Part 3 [pp. 163-233]

Jenkins, Henry. (2006). Convergence Culture: Where Old and New Media Collide. New York, NY: NYU Press.

May, Keenan & Peter Newcomb. (2008, July) How the Web was won. Vanity Fair, retrieved from <http://www.vanityfair.com/culture/features/2008/07/internet200807>

“Privacy vs. The Internet: Americans Should Not Be forced to Choose” (ACLU report, 2008)

Nakamura, “Race In/For Cyberspace: Identity Tourism and Racial Passing on the Internet”

CC14 :

Media Industry and Management

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

UNIT - 1 Media Management: Concept and Perspective

- Concept, origin and growth of Media Management
- Fundamentals of management
- Management School of Thought

UNIT - 2 Media Industry: Issues & Challenges

- Media industry as manufacturers-Manufacturing Consent, news and content management.
- Market Forces, performance evaluation (TAM, TRP, BARC and HITS) and Market shifts
- Changing Ownership patterns
- Government-Media Interface
- Media Management practices followed by Indian and Global Media Organisations

UNIT - 3 Structure of news media organizations in India.

- Role, responsibilities & Hierarchy
- Work flow & Need of Management
- Shift Patterns, Circulation & Guidelines

UNIT - 4 Media Economics, Strategic Management and Marketing

- Understanding Media Economics- Economic thought, Theoretical foundations, issue and concerns of media economics. Capital inflow, Budgeting, Financial management, and personnel Management, Strategic Management, Market forces
- FDI (policies & Practices)
- **UNIT - 5 Distribution / Circulation Management Process, promotion and Evaluation**
- Media audiences and credibility
- Legal perspectives in Media management
- Issues related to Paid news, lobbying, pressure group influence, Corporatisation and Politicisation of Media.
 - Indian and International Media Giants- Case Studies

Suggested Readings

- Vinita Kohli Khandeka, Indian Media Business, Sage
- Pradip Ninan Thomas, Political Economy of Communications in India, Sage
- Lucy Kung, Strategic management in media, SAGE
- Dennis F. Herrick, Media Management in the age of Giants, Surjeet Publications
- Jennifer Holt and Alisa Perren, (Edited) Media Industries-History, Theory and Method, Wiley-Blackwell
- John M. Lavine and Daniel B. Wackman, Managing Media Organisations

Semester - III

SEC 1:

Radio Production

50 Marks, 2 Credits

(Total No Of Classes – 40)

Course contents:

Unit 1 - Broadcast Formats Public service advertisements* Jingles* Radio magazine* Interview, Talk Show Discussion Feature Documentary

Unit 2: Broadcast Production Techniques Working of a Production Control Room & Studio Types and functions, acoustics, input and output chain, studio console: recording and mixing. Personnel in Production process–Role and Responsibilities

Unit 3- Stages of Radio Production Pre-Production – (Idea, research, RADIO script) Production–Creative use of Sound; Listening, Recording, using archived sounds, (execution, requisite, challenges), Editing, Creative use of Sound Editing.

Suggested Exercise- Producing any Radio format mentioned in the Unit 1. (Duration-5 minutes).

*Only introductory in nature. These formats will be dealt with in detail in Advanced Broadcast paper.

Suggested reading list-

2. Aspinall, R.(1971)*Radio Production*, Paris: UNESCO.
3. Flemming, C.(2002)*The Radio Handbook*, London: Routledge.
4. Keith, M.(1990)*Radio Production, Art & Science*, London: Focal Press.
5. McLeish, R.(1988)*Techniques of Radio Production*, London: Focal Press.
6. Nisbett, A.(1994)*Using Microphones*, London: Focal Press.
7. Reese, D.E .& Gross, L. S.(1977)*Radio Production Work*, London: Focal Press.
8. Siegel, E. H.(1992) *Creative Radio Production*, London: Focal Press.

OR

Development Journalism

50 Marks, 2 Credits
(Total No of Classes – 40)

Course contents:

Unit 1 Concept of Development

The meaning of development; first world, second world and third world; models of development, major development paradigms-dominant paradigm–its rise and fall– alternative paradigm– participatory approach.

Unit 2 Development Journalism Definitions, nature and scope, evolution of development journalism, agriculture extension. development support communication, information dissemination and education, behavior change, social marketing, social mobilization. Communication for social change, media advocacy, new age media and development journalism. participatory development journalism development journalism pre and post liberalization

Unit 3- Development stories:

Development with a human face, content, development message, development news story and features, writing headlines and captions, innovative leads. Research and planning, Developing a strong news sense, recognizing a good story, packaging of the development story, development feature writing. Conflict of interests, mobilizing support for development.

Unit 4- Media specific development coverage: The differences in approach between print and broad cast development journalism, Packaging attractive ideas, visuals and documentation. Folk media, community radio for local development, niche newspapers and magazines. Development communication agencies and websites.

Unit 5- Issues in development: Economic development, liberalization, privatization and globalization. Environment and climate change, impact on agriculture and food security, energy security, environmental sustainability, mass displacements and migration. Urban and rural development, water and waste management, health, education, employment,

housing, transport

Suggested Readings:

Manual of Development Journalism – Alan Chalkley.

Participatory Communication, Working for change and development – Shirley A. White, K. Sadanandan Nair and Joseph Ascroft.

Development Communication and Media Debate – Mridula Meneon.

India, the Emerging Giant – Arvind Panagariya.

Participatory Video, Images that Transform and Empower – Shirley A. White (Editor).

The Art of Facilitating Participation – Shirley A. White (Editor).

Television and Social Change in Rural India – Kirk Johnson.

Communication, Modernization and Social Development – K. Mahadevan, Kiran Prasad, Ito Youichi and Vijayan K. Pillai.

Everybody Loves a Good Drought – P. Sainath.

Designing messages for development communication: A audience participation-based approach (communication and human values) – by Bella M Mody.

Semester: IV

SEC 2:

Documentary Production)

50 Marks, 2 Credits

(Total No of Classes – 40)

Unit1: Understanding the Documentary Introduction to Realism Debate Observational and Verite documentary Introduction to Shooting styles Introduction to Editing styles Structure and scripting the documentary

Unit2- Documentary Production Pre-Production Researching the Documentary Research: Library, Archives, location, life stories, ethnography Writing a concept telling a story Treatment Writing a proposal and budgeting

Suggested Practical Exercise- Shooting a short film (5-6 minutes) and Editing the same.

Readings: Erik Barnow and Krishnaswamy Documentary Charles Musser “Documentary” in Geoffrey Nowell Smith ed *The Oxford History of World Cinema* Oxford University Press: 1996, 322-333

Michael Renov “The Truth about Non Fiction” and “Towards a Poetics of Documentary” in Michael Renov ed. *Theorizing Documentary* AFI Film Readers, New York and London: Routledge: 1993, 1-36

Trisha Das *How to Write a Documentary Double Take* by PSBT

Suggested Screenings

Michael Moore: Roger and Me Nanook of the North by Robert J Flaherty Nightmail by Basil Wright
Bombay Our City by An and Patwardhan Black Audio Collective City of Photos by Nishtha Jain Films by PSBT

OR

Photography:

50 Marks, 2 Credits

(Total No of Classes – 40)

Course Contents:

Unit I:

History of Photography Definition and origin of Photography The birth of Camera and its evolution on Modernization of Photography and its use in Mass Media, Invention of Digital Photography

Unit II: Equipments of Photography Cameras Lenses Tripods Monopods Camera bags Digital storage

Unit III: Lighting The different types of lighting-Natural lighting—and Artificial Lighting There reflection of light Recommended equipment for outdoor lighting Introduction to indoor lighting and Photographing

Unit IV: Types of Photography and Photo journalism News Photography, Sports Photography, Nature photography, Portrait photography, Fashion photography and advertisement photography The basics of photojournalism and importance of context in photojournalism

Unit V: Editing Photo editing software: Microsoft Office Picture Manager, Corel Draw, Adobe Photoshop Elements, Photoshop CC (Creative Cloud) Correcting imperfect images: Picture orientation, Cropping, Levels, Altering brightness and contrast, Red eye.

Suggestive Readings:

The Photography Book by Editors of Phaidon Press, 30 April 2000.

All about Photography by Ashok Dilwali, National Book Trust, Year of Publication: 2010 New Delhi.

Practical photography by O.P. SHARMA HPB/FC (14 March 2003).

The Photographer's Guide to Light by Freeman John Collins & Brown, 2005.

Lonely Planet's Best Ever Photography Tips by Richard I' Anson published by Lonely Planet

Semester V

DSE 1:

Communication Research & Methodology

75 Marks, 6 Credits

(Total No of Classes – 60)

Unit I – Introduction to Research

Definition, Role, Function, Basic and Applied Research, Scientific Approach, Role of theory in research, Steps of Research (Research question, Hypothesis, Review of Literature....)

Unit II – Methods of Media Research Qualitative- Quantitative Technique, Content Analysis, Survey Method, Observation Methods, Experimental Studies, Case Studies, Narrative Analysis, Historical research.

Unit III–Sampling

Need for Sampling, Sampling Methods, Representativeness of the Samples, Sampling Error, Tools of data collection: Primary and Secondary data-Questionnaire, Focus Groups, Telephone, Surveys, Online Polls, Published work.

Unit IV- Methods of analysis and report writing Data Analysis Techniques; Coding and Tabulation, Non-Statistical Methods (Descriptive and Historical) Working with Archives; Library Research; Working with Internet as a source; Writing Citations, Bibliography Writing the research report

Unit V- Ethnographies and other Methods Readership and Audience Surveys Ethnographies, textual analysis, discourse analysis Ethical perspectives of mass media research

Readings:

- Wimmer, Roger, and Dominick, Joseph, R. *Mass Media Research*, Thomson Wadsworth, 2006, pgs 1-60; 65-81; 83-98.
- Arthur Asa Berger. *Media Research Techniques*, Sage Publications, 1998.
- John Fiske. *Introduction to Communication Studies*, Routledge Publications, 1982.
- David Croteau and William Hoynes. *Media/Society: Industries, Images and Audiences*, Forge Press (For Case Studies) Amazon, 2002.
- Kothari, C.R. *Research Methodology: Methods and Techniques*, New Age International Ltd. Publishers, 2004, pgs 1-55; pgs 95-120.
- Bertrand, Ina and Hughes, Peter. 2005. *Media Research Methods; Audiences, institutions, Texts*. New York; Palgrave.

OR

Print Journalism and Production

75 Marks, 6 Credits
(Total No of Classes – 60)

Course contents:

Unit 1: Specialized Reporting Business/economic Parliamentary Political

Unit 2: Trends in Print journalism Investigative journalism/ Sting operations and related case studies Impact of Technology on newspapers and Magazines Ethical debates in print journalism: ownership and control.

Unit 3: Production of News paper Principles of Layout and Design: Layout and format, Typography, Copy preparation Design process (size, anatomy, grid, design) Handling text matter (headlines, pictures, advertisements) Page make-up (Print and Electronic copy)(Front page, Editorial page and Supplements)

Unit 4: Technology and print, Modern Printing Processes : DTP (Desk top publishing)/software for print (Quark Express, Adobe Photoshop, Adobe InDesign etc.) Picture Editing and Caption Writing,

Unit 5: Advanced News paper and Magazine Editing Classification of News papers and Magazines, Current trends in News papers and Magazines with respect to content Photographs and Cartoons in News papers and Magazines

Suggested Readings

1. *Editing: A Handbook for Journalists* – by T. J. S. George, IIMC, New Delhi, 1989
2. *News Reporting and Editing* by Shrivastava, K. M. (1991) Sterling Publishers, New Delhi
3. *Professional Journalism*, by M. V. Kamath, Vikas Publications
4. *Groping for ethics in Journalism*, by Eugene H. Goodwin, Iowa State Press
5. *Journalism: Critical Issues*, by Stuart Allan, Open University Press
6. *Modern Newspapers Practice*, by Hodgson F. W. Heinemann London, 1984.
7. *Principles of Art and Production*, by N. N. Sarkar, Oxford University Press

DSE 2:

Corporate Social Responsibility

75 Marks, 6 Credits
(Total No of Classes – 60)

Unit 1 – concept of corporate & organization, corporate governance, corporate and management, issues of corporate communication

Unit 2 – identify the stakeholder, Grunigs theory, public and stakeholder, stake holder's

relationship, communication tools and strategies for stakeholder relations

Unit 3- Corporate crisis, crisis plan management and crisis communication, corporate branding and brand promotion

Unit 4- Corporate social responsibility, issue and approaches, P3 Theory, theory of utility, profit and philanthropic approach – a debate on CSR, CSR budget, social audit, CSR and media relations, CSR promotion and role of NGOs

Suggested Readings

1. Kaul, J. M.—Public Relation in India, Naya Prokash, 1976
2. Jethwaney, I. N. & Others—Public Relations : Concept, Strategies, Tools, Publisher: New Delhi : Sterling Publishers Private Limited, 2005
3. Black, Sam—Practical Public Relations, Prentice Hall Trade; Revised edition (April 1983)
4. Moore & Kalupa: Public Relations: Principles, Cases & Problems , Richard d Irwin: 1985
5. Crisis Management : Leading in the New Strategy Landscape, Second Edition, Rawat Publications , 2013
6. Danny Moss, Barbara DeSanto ,Public Relations : A Managerial Perspective, Rawat Publications , 2011
7. Corporate Communications — Joseph Fernandez. New Delhi: Response Books, 2004.
8. Excellence in Public Relations and Communication Management ; edited by James E. Grunig, Routledge 2008
9. . The SAGE Handbook of Public Relations, edited by Robert L. Heath, Sage, 2000
10. The Routledge Handbook of Critical Public Relations , edited by Jacquie L'Etang, David McKie, Nancy , 2015
11. Philip Kotler . Marketing management. Prentice Hall of India, 2000

OR

Media, Gender and Human Rights

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

Unit I : Media and the social world Media impact on individual and society , Democratic Polity and mass media, Media and Cultural Change, Rural- Urban Divide in India: grass-roots media

Unit II : Gender Conceptual Frameworks in Gender studies, Feminist Theory, History of

Media and Gender debates in India(Case studies), Media and Gender- Theoretical concerns. Media and Masculinity

Unit III Media: Power and Contestation Public Sphere and its critique “Public sphere” of the disempowered? Media and Social Difference: class, gender, race etc. Genres– Romance, Television, Soap Opera, Sports Presentation:

a) Watch a Indian TV Soap Opera/reality show for a week and for representation of Family.

b) Project on use of internet by the marginalized groups.

Unit IV Media and Human Rights, Human Rights-Theoretical perspectives, Critique Universal Declaration of Human Rights, Human Rights and Media (Case Studies)

Presentation: Representation of Human Rights issues and violations in International and media

Essential Readings

1. Street, John. *Mass media, politics and democracy*. Palgrave Macmillan, 2011.
2. Balnaves, Mark, Stephanie Donald, and Brian Shoemith. *Media theories and approaches: A global perspective*. Palgrave-Macmillan. 2009 (Pg No. 3-10, 11-34, 35-53)
3. Mackay, Hugh, and Tim O'Sullivan, eds. *The media reader: continuity and transformation*. SAGE Publications Limited, 1999. 13-28, 43-73, 287-305.
4. Asen, Robert & Brouwer, Daniel, 2001. Counter Publics and the State, SUNY Press. 1-35, 111-137

Readings:

1. Ninan, Sevanti. *Headlines from the heartland: Reinventing the Hindi public sphere*. SAGE Publications Pvt. Limited, 2007.
2. Curran, James. "Rethinking mass communication." *Cultural studies and communications*. London: Arnold (1996).
3. McQuail, Denis. *Mass communication theory: An introduction*. Barcelona, 1991. 79-111
4. Berger, Arthur Asa. *Media and society: A critical perspective*. Rowman & Littlefield, 2012. Pg 9-21, 167-180
5. Nichols, Joe & Price, John, *Advanced Studies in Media*, Thames Nelson, 1999. 42-55
6. Thirumal, P., and Gary Michael Tartakov. "India's Dalit search for a democratic opening in the digital divide." *International Exploration of Technology Equity and the Digital Divide: Critical, Historical and Social Perspectives* (2010): 20.

7. Rajagopal, Arvind, ed. *The Indian Public Sphere: Readings in Media History*. New Delhi: Oxford University Press, 2009. 278-290.

8. Rayner, Philip, Peter Wall, and Stephen Kruger, eds. *AS media studies :the essential introduction*.

Psychology Press, 2004. 53-61.

9. Bannerjee, Menon & Priya eds. *Human Rights, gender and Environment*, Pearson & Co. 2010

SEMESTER VI

DSE 3:

Multi-Media Journalism

**75 Marks, 6 Credits
(Total No of Classes – 60)**

Unit 1 Introduction to Multimedia

Multi media and inter activity, Basics of multi media reporting, importance of audio, photo and video production skills in the newsroom in contemporary times, brainstorming about story ideas, developing a portfolio – print and online, legal and ethical issues and diversity in the media-media law, ethics multicultural sensitivity.

Unit 2 Print

Process of Production: Decision making and skills for multi-platform communications, Paraphrases, quotes and attribution in media writing, Leads and Nut Graphs, News Writing for Web, Content Development, Sources and Online Research, Story Organization, Strategies for effective interviewing and note taking, Interviewing Techniques.

Unit 3 Photograph

Photo on Screen: Rule of thirds, focal point, Composition. Photography as a powerful tool to tell a story. Dynamic content and visual medium, increasing importance of photojournalism in today's journalism, Photography and cut lines as an important part of storytelling. Placements & Visual Design

Unit 4 Audio & Video Content

Focus on audio recording, telling stories with sources and natural sound, bytes, editing & Placement of sound, Storytelling with video, broadcasting/ web casting: Collecting content, Structuring story, Writing, video editing with interviews and B-roll, streaming.

Unit 5 Mobile journalism

Screen sizes & responsive web, Information multimedia and web architecture, Marketing websites, corporate websites, web feature stories, key points for web interactive narrative, interactive users vs linear narratives, elements of an interactive writer.

Final project incorporating elements from all the previous unit —taking a story and adding audio, photo and video to compliment it for online publication.

Suggested readings:

Savage, Terry Michael, and Karla E. Vogel. *An Introduction to Digital Multimedia*. Jones & Bartlett Publishers, 2013.

Christin, Anne-Marie, ed. *A History of Writing: From Hieroglyph to Multimedia*. Flammarion-Pere Castor, 2002.

Korolenko, Michael. *Writing for Multimedia: A Guide and Source Book for the Digital Writer*. Pearson, 2005.

Garrand, Timothy. *Writing for Multimedia and the Web: A Practical Guide to Content Development for Interactive Media*. CRC Press, 2006.

OR

Dissertation

75 Marks, 6 Credits
(Total No of Classes – 60)

Word limit- max 3000

Related with any discipline of Mass communication

Research problem, methodology, data analysis, observation

And bibliography should mention

DSE 4 : Media and Industry

75 Marks, 6 Credits
(Total No of Classes – 60)

Course contents:

UNIT - 1 Government-Media Interface Policies and regulations, Process, Media Management practices followed by Indian and Global Media Organisations

UNIT - 2 Entrepreneurial freedom and challenges Arranging equipment and personnel for a new media enterprise, problems of finance, FDI (policies & Practices)

UNIT - 3 Distribution / Circulation Management Process, promotion and Evaluation Media audiences and credibility

UNIT - 4 Media management: Insights, Practices and challenges Ethico – legal perspectives in Media management Issues related to Paid news, lobbying, pressure group influence, Corporatisation and Politicisation of Media

UNIT - 5 Case Studies : Cross media platforms: issues & impediments. Corporate Ties & Audience Centric approaches

Suggested Readings

- Vinita Kohli Khandeka, *Indian Media Business*, Sage
- Pradip Ninan Thomas, *Political Economy of Communications in India*, Sage
- Lucy Kung, *Strategic management in media*, SAGE
- Dennis F. Herrick, *Media Management in the age of Giants*, Surjeet Publications

- Jennifer Holt and Alisa Perren, (Edited) Media Industries-History, Theory and Method , Wiley- Blackwel
- John M. lavine and Daniel B. Wackman, Managing Media Organisations

OR

Community Outreach Programme

75 Marks, 6 Credits

(Total No of Classes – 60)

Helps to promote the students to understand the community and to address the contemporary social issues through communication .

The objective of the paper

- To understand the community and their work
- To develop the social responsibility
- To gains skills in mobilizing community participants

Activities of the program :

- ✓ Field survey to determine the development program policies of communication
- ✓ Developing the data bank of different communities of the selected area
- ✓ Audio visual documentation of their lives and occupation
- ✓ Presentation of research project (in written form, word limits within 2000)

GENERIC ELECTIVES (For other disciplines)

Semester I

GE: 1

Basics of Journalism

75 Marks, 6 Credits

(Total No of Classes – 60)

Course contents:

Unit 1 - Understanding News, Ingredients of news, News: meaning, definition, nature
The news process: from the event to the reader (how news is carried from event to reader) Hard news vs. Soft news, basic components of a news story
Attribution, embargo, verification, balance and fairness, brevity, dateline, creditline, byline.

Unit2-Different forms of print- A historical Perspective, Yellow journalism Penny press, tabloid press Language of news –Robert Gunning: Principles of clear writing, Rudolf Flesch formula-skills to write news

Unit3-Understanding the structure and construction of news Organising a news story, 5W's and 1H, Inverted pyramid Criteria for news worthiness, principles of news selection Use of archives, sources of news, use of internet

Unit 4 – Different mediums-a comparison Language and principles of writing: Basic differences between the print, electronic and online journalism Citizen journalism

Unit 5 - Role of Media in a Democracy Responsibility to Society press and Democracy Contemporary debates and issues relating to media Ethics in journalism

Readings

1. Bruce D. Itule and Douglas A. Anderson. *Newswriting and reporting for today's media*; McGraw Hill Publication, 2000.
2. M.L. Stein, Susan Paterno & R. Christopher Burnett. *Newswriter's Handbook: An Introduction to Journalism*; Blackwell Publishing, 2006.
3. George Rodmann. *Mass Media in a Changing World*; McGraw Hill Publication, 2007.
4. Carole Flemming and Emma Hemmingway. *An Introduction to Journalism*; Vistaar Publications, 2006.
5. Richard Keeble. *The Newspaper's Handbook*; Routledge Publication, 2006.

Semester II

GE 2

Photography

75 Marks, 6 Credits
(Total No of Classes – 60)

Course Contents:

Unit I: History of Photography Definition and origin of Photography The birth of Camera and its evolution Modernization of Photography and its use in Mass Media Invention of Digital Photography

Unit II: Equipments of Photography Cameras Lenses Tripods Monopods Camera bags Digital storage

Unit III: Lighting The different types of lighting-Natural lighting-and Artificial Lighting The Reflection of light Recommended equipment for outdoor lighting Introduction to indoor lighting and Photographing

Unit IV: Types of Photography and Photo journalism News Photography, Sports Photography, Nature photography, Portrait photography, Fashion photography and advertisement photography. The basics of photojournalism and importance of context in photojournalism

Unit V: Editing Photo editing software: Microsoft Office Picture Manager, Core l Draw, Adobe Photoshop Elements, Photoshop CC (Creative Cloud) Correcting imperfect images: Picture orientation, Cropping, Levels, Altering brightness and contrast, Red eye.

Suggestive Readings:

The Photography Book by Editors of Phaidon Press, 30 April 2000.

All about Photography by Ashok Dilwali, National Book Trust, Year of Publication: 2010 New Delhi.

Practical photography by O.P. SHARMA HPB/FC (14 March 2003).

The Photographer's Guide to Light by Freeman John Collins & Brown, 2005.

Lonely Planet's Best Ever Photography Tips by Richard I'Anson published by Lonely Planet

Semester III

GE 3:

Film Appreciation

**75 Marks, 6 Credits
(Total No of Classes – 60)**

Course Contents:

Unit I- Language of Cinema

Language of Cinema I– Focus on visual Language: Shot, Scene, Mis-en-scene, Deep focus, Continuity Editing, Montage

Language of Cinema II– Focus on Sound and Colour: Diegetic and NonDiegetic Sound; Off Screen Sound; Sync Sound; the use of Colour as a stylistic Element. Difference between story ,plot, screenplay

Unit II- Film Form and Style

German Expressionism and Film Noir Italian Neorealism French New-Wave Genre and the development of Classical Hollywood Cinema

Unit III : Alternative Visions

Third Cinema and Non Fiction Cinema Introduction to Feminist Film Theory, Auteur-Film Authorship with a special focus on Ray or Kurusawa

Unit V : Hindi Cinema

1950s-Cinema and the Nation (Guru Dutt, Raj Kapoor, Mehboob), The Indian New-Wave, Globalisation and Indian Cinema, The multiplex Era, Film Culture

Recommended Screenings or clips

Unit I

o *Rear Window* by Alfred Hitchcock(Language of Cinema)

o *Battleship Potempkin* by Sergei Eisenstein(Language of Cinema)

o *Manwitha Movie Camera* by Dziga Vertov

o *Germany Year Zero* directed by Roberto Rossellini (Italian Neo Realism)

o *Metropolis* by FritzLang/ *Double Indemnity* by Billy Wilder (German Expressionism)

and Film Noir)

o *Pather Panchali* by Satyajit Ray

o *The hour of the Furnaces* by Fernando Solanas

Unit IV

o *Nishant* by Shyam Benegal / *Aakrosh* by Govind Nihalani (Indian Newwave)

o *Pyaasa* by Guru Dutt

Suggested Readings:

Andre Bazin, "The Ontology of the Photographic Image" from his book *What is Cinema Vol. I* Berkeley, Los Angeles and London: University of California Press: 1967, 9-16

Sergei Eisenstein, "A Dialectic Approach to Film Form" from his book *Film Form: Essays in Film*

Theory (Edited and Translated by Jay Leyda) San Diego, New York, London: A Harvest/Harcourt

Brace Jovanovich, Publishers: 1977, 45-63

Tom Gunning, "Non-continuity, Continuity, Discontinuity: A theory of Genres in Early Films," in Thomas Elsaesser, ed. *Early Cinema : Space ,Frame, Narrative*. London: British Film Institute, 1990, 86-94.

David Bordwell, "Classical Hollywood Cinema: Narrational Principles and Procedures "in Philip Rosen, ed. *Narrative, Apparatus, Ideology*. New York: Columbia University Press, 1986, 17- 34.

Paul Schraeder "Notes on Film Noir" in John Belton ed. *Movies and Mass Culture* New Brunswick, New Jersey: Rutgers University Press: 1996 pg. 153-170

Robert Stam, "The Cult of the Auteur, " "The Americanization of Auteur Theory, " "Interrogating Authorship and Genre, " in *Film Theory: An Introduction*. Massachusetts & Oxford: Blackwell Publishers: 2000, 83-91 & 123-129.

Richard Dyer "Heavenly Bodies: Film Stars and Society" in *Film and Theory: An Anthology*

Massachusetts, U.S.A & Oxford, U.K: Blackwell Publishers: 2000, 603-617

Ideology of Hindi Film by Madhava Prasad.. New Delhi: Oxford University Press. 1998

Global Bollywood by Ananda P.K. Vooori and Aswin Punanthebekar Eds. New York: New York University Press. 2008

Semester IV

GE 4:

Documentary Production

75 Marks, 6 Credits

(Total No of Classes – 60)

Unit1: Understanding the Documentary Introduction to the debate on realism

Six Modes of Documentary Representation:

Participatory, Expository, Observational, Performative, Reflexive, and Poetic Ethical Debates in the Documentary Encounter, Defining the Subject/Social Actor/Participant

Voice in the Documentary: Problematic of 'Voice of God' Narrator & Different Posturings of the Narration, Participant, Filmmaker, & Audience

Camcorder Cults Documentary

Unit2- Documentary Production: Pre-Production

Researching the Documentary

Research: Library, Archives, location ,life stories, ethnography Writing a concept: telling a story, Writing a Treatment, Proposal and Budgeting Structure and scripting the documentary Issues of Funding and Pitching, Issues of Primary and Secondary Audience

Unit 3- Documentary Production: Production Documentary Sound

Documentary Cinematography– a responsive filmic encounter Location Research Technologies and Techniques, Shooting Schedule, Shot Breakdown, & Calllist Production Team, Meetings, Checklist, Crowd Funding

Unit 4- Documentary Production: Post- Production Grammar of editing

Transitions: Scenic Realism & Sound Effects and Visual Effects, Aspect Ratio, Language, Duration, and marketing of DVD, and issues of piracy, Distribution and Exhibition Spaces (Traditional and Online), Festivals and International Market Box office documentaries

Suggested Practical Exercise– Making a short documentary (5-10minutes).

Readings:

Erik Barnow and Krishnaswamy Documentary

Charles Musser “Documentary” in Geoffrey Nowell Smith ed *The Oxford History of World Cinema* Oxford University Press: 1996, 322-333

Michael Renov “The Truth about Non Fiction” and “Towards a Poetics of Documentary” in

Michael Renov ed. *Theorizing Documentary* AFI Film Readers, New York and London: Routledge: 1993, 1-36

Trisha Das *How to Write a Documentary*

Double Take by PSBT

DOX magazine

Nichols, Bill (2001) *Introduction to Documentary*, Indiana University Press: Bloomington.

Suggested Screenings:

Michael Moore: *Roger and Me*

Nanook of the North by Robert J Flaherty

Nightmail by Basil Wright

Bombay Our City by Anand Patwardhan

Black Audio Collective

City of Photos by Nishtha Jain

Films by PSBT

THE UNIVERSITY OF BURDWAN



SYLLABUS FOR THREE-YEAR DEGREE COURSE IN ZOOLOGY (HONS) UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

(With effect from the session 2017-2018)

Contents

1. Introduction	1
2. Scheme for CBCS Curriculum	2
2.1. Credit Distribution across Courses	2
2.2. Scheme for CBCS Curriculum	3
2.3. Compulsory Core Courses.....	5
2.4. Choices for Discipline Specific Electives.....	5
2.5. Choices for Skill Enhancement Courses.....	5
2.6. Choices for Generic Elective Courses.....	5
2.7. Scheme of CBCS distribution.....	6
3. Core Subjects Syllabus	7
3.1. Core T1 –Non-Chordates I.....	7
3.2. Core P1–Non-Chordates I Lab.....	8
3.3. Core T2–Ecology.....	9
3.4. Core P2– Ecology Lab	10
3.5. Core T3- Non-Chordates II	11
3.6. Core P3–Non- Chordates II Lab.....	12
3.7. Core T4- Cell Biology	13
3.8. Core P4–Cell Biology Lab	14
3.9. Core T5- Chordates	15
3.10. Core P5–Chordates Lab	16
3.11. Core T6 - Animal Physiology: Controlling &Coordinating Systems	17
3.12. Core P6–Animal Physiology: Controlling &Coordinating Systems Lab	18
3.13. Core T7- Fundamentals of Biochemistry.....	19
3.14. Core P7–Fundamentals of Biochemistry Lab	20
3.15. Core T8-Comparative Anatomy of Vertebrates	21
3.16. Core P8–Comparative Anatomy of Vertebrates Lab.....	22
3.17. Core T9- Animal Physiology: Life Sustaining Systems.....	23
3.18. Core P9–Animal Physiology: Life Sustaining Systems Lab.....	24
3.19. Core T10-Immunology.....	25
3.20. Core P10–Immunology Lab	26
3.21. Core T11- Molecular Biology	27
3.22. Core P11–Molecular BiologyLab.....	28
3.23. Core T12- Genetics.....	29
3.24. Core P12–Genetics Lab	30

3.25.	Core T13- Developmental Biology.....	31
3.26.	Core P13–Developmental Biology Lab	32
3.27.	Core T14–Evolutionary Biology.....	33
3.28.	Core P14–Evolutionary Biology Lab.....	34
4.	Discipline Specific Electives Subjects Syllabus.....	35
4.1.	DSE T1- Animal Biotechnology	35
4.2.	DSE P1 –Animal Biotechnology Lab	36
4.3.	DSE T2 Microbiology.....	37
4.4.	DSE P2- Microbiology Lab	38
4.5.	DSE T3- Parasitology.....	38
4.6.	DSE P3 –Parasitology Lab	39
4.7.	DSE T4-Biology of Insects.....	40
4.8.	DSE P4 –Biology of Insects Lab	41
4.9.	DSE T5– Animal Behaviour.....	42
4.10.	DSE P5 –Animal Behaviour Lab	43
4.11.	DSE T6–Wild Life Conservation.....	43
4.12.	DSE P6–Wild Life Conservation Lab.....	45
4.13.	DSE T7-Endocrinology.....	46
4.14.	DSE P7 –Endocrinology Lab	47
4.15.	DSE T8-ReproductiveBiology.....	48
4.16.	DSE P8–Reproductive Biology Lab.....	49
5.	Skill Enhancement Course.....	50
5.1.	SEC T1 –Apiculture	50
5.2.	SEC T2-Aquarium Fish Keeping.....	51
5.3.	SEC T3- Medical Diagnostic techniques.....	52
5.4.	SEC T4–Sericulture	53
6.	General Elective [For Other Subject(s)].....	54
6.1.	GE T1 –Animal Diversity	54
6.2.	GE P1–Animal Diversity Lab.....	55
6.3.	GE T2-Comparative Anatomy & Developmental Biology of Vertebrates	56
6.4.	GE P2– Comparative Anatomy & Developmental Biology of Vertebrates Lab.....	57
6.5.	GE T3 –Physiology and Biochemistry	57
6.6.	GE P3– Physiology and Biochemistry Lab	58
6.7.	GE T4 –Genetics and Evolutionary Biology	59
6.8.	GE P4–Genetics and Evolutionary Biology Lab.....	60

1. Introduction

The syllabus for Zoology at undergraduate level using the Choice Based Credit system has been framed in compliance with model syllabus given by UGC.

The main objective of framing this new syllabus is to give the students a holistic understanding of the subject giving substantial weightage to both the core content and techniques used in Zoology.

Keeping in mind and in tune with the changing nature of the subject, adequate emphasis has been given on new techniques and understanding of the subject.

The syllabus has also been framed in such a way that the basic skills of subject are taught to the students, and everyone might not need to go for higher studies and the scope of securing a job after graduation will increase.

There is wide deviation in the infrastructure, be it physical or in human resource, in the form of teachers' expertise and ability and aspiration of the students. Hence, University is free to choose the Electives as per their infrastructural strengths and offer at least 6 to 7 electives. While the syllabus is in compliance with UGC model curriculum, it is necessary that Zoology students should learn "Immunology" as one of the core courses rather than as elective. Also, an important discipline specific elective on "Microbiology" has been added.

Project Work may be introduced instead of the 4th Elective with a credit of 6 split into 2+4, where 2 credits will be for continuous evaluation and 4 credits reserved for the merit of the dissertation.

2. Scheme for CBCS Curriculum

2.1. Credit Distribution across Courses

Course Type	Number of Courses	Credits		
		Theory + Practical	Theory+ Practical	Total
Core Courses	14	14×4=56	14×2=28	84
Discipline Specific	04	4×4=16	4×2=8	24
Generic Elective	04	4×4=16	4×2=8	24
Language Courses & ENVS	02	4×1=4 2×1=2		6
Skill Enhancement Course	02	2×2=4		4
Total	26	98	44	142

2.2. Scheme for CBCS Curriculum

Semester	Course Name	Course Detail	Credits
I	Ability Enhancement Compulsory Course–I	Environmental Studies	4
	Core course–I	Non-chordates I	4
	Core course–I Practical	Non-chordates I Lab	2
	Core course–II	Ecology	4
	Core course–II Practical	Ecology Lab	2
	Generic Elective–1*	Animal Diversity	4
	Generic Elective–1 Practical*	Animal Diversity Lab	2
II	Ability Enhancement Compulsory Course–II	Communicative English/MIL	2
	Core course–III	Non- chordates II	4
	Core course–III Practical	Non- chordates II Lab	2
	Core course–IV	Cell Biology	4
	Core course–IV Practical	Cell Biology Lab	2
	Generic Elective–2*	Comparative Anatomy & Developmental Biology of Vertebrates	4
	Generic Elective–2 Practical*	Comparative Anatomy & Developmental Biology of Vertebrates Lab	2
III	Core course–V	Chordates	4
	Core course–V Practical	Chordates Lab	2
	Core course–VI	Animal Physiology: Controlling and Coordinating Systems	4
	Core course–VI Practical	Animal Physiology: Controlling and Coordinating Systems Lab	2
	Core course–VII	Fundamentals of Biochemistry	4
	Core course – VII Practical	Fundamentals of Biochemistry Lab	2
	Skill Enhancement Course–1	Apiculture or Sericulture	2
	Generic Elective–3*	Physiology and Biochemistry	4
	Generic Elective–3 Practical*	Physiology and Biochemistry Lab	2

CBCS Undergraduate Program in Zoology Hons.

IV	Core course–VIII	Comparative Anatomy of Vertebrates	4
	Core course–VIII Practical	Comparative Anatomy of Vertebrates Lab	2
	Core course–IX	Animal Physiology: Life Sustaining Systems	4
	Core course–IX Practical	Animal Physiology: Life Sustaining Systems Lab	2
	Core course–X	Immunology	4
	Core course–X Practical	Immunology Lab	2
	Skill Enhancement Course-2	Medical Diagnostics or Aquarium Fish Keeping	2
	Generic Elective–4*	Genetics and Evolutionary Biology	4
	Generic Elective–4 Practical*	Genetics and Evolutionary Biology Lab	2
V	Core course–XI	Molecular Biology	4
	Core course–XI Practical	Molecular Biology Lab	2
	Core course–XII	Genetics	4
	Core course–XII Practical	Genetics Lab	2
	Discipline Specific Elective–1	Animal Biotechnology or Microbiology	4
	Discipline Specific Elective–1 Practical	Animal Biotechnology or Microbiology	2
	Discipline Specific Elective–2	Parasitology or Biology of Insects	4
	Discipline Specific Elective–2 Practical	Parasitology or Biology of Insects	2
VI	Core course–XIII	Developmental Biology	4
	Core course–XIII Practical	Developmental Biology Lab	2
	Core course–XIV	Evolutionary Biology	4
	Core course–XIV Practical	Evolutionary Biology Lab	2
	Discipline Specific Elective–3	Animal Behaviour or Wild life Conservation	4
	Discipline Specific Elective–3 Practical	Animal Behaviour or Wild life Conservation	2
	Discipline Specific Elective–4	Endocrinology or Reproductive Biology	4
	Discipline Specific Elective–4 Practical	Endocrinology or Reproductive Biology	2
			142

*For other subjects. For Zoology Hons. students, Generic Electives will be any subject(s) other than Zoology.

2.3. Compulsory Core Courses

Core Courses			
Non-chordates I	Ecology	Non-chordates II	Cell Biology
Chordates	Physiology: Controlling and Coordinating Systems	Fundamentals of Biochemistry	Comparative Anatomy of Vertebrates
Physiology: Life Sustaining Systems	Immunology	Molecular Biology	Genetics
Developmental Biology	Evolutionary Biology		

2.4. Choices for Discipline Specific Electives

Discipline Specific Elective-1 to 4			
Animal Behaviour	Animal Biotechnology	Biology of Insects	Endocrinology
Microbiology	Parasitology	Wildlife Conservation & Management	Reproductive Biology

2.5. Choices for Skill Enhancement Courses

Skill Enhancement Course-1 & Skill Enhancement Course-2			
Apiculture	Aquarium Fish Keeping	Medical Diagnostic Techniques	Sericulture

2.6. Generic Elective Courses

Generic Elective Courses-1 to 4	
Animal Diversity	Comparative Anatomy & Developmental Biology of Vertebrates
Physiology and Biochemistry	Genetics and Evolutionary Biology

CBCS Undergraduate Program in Zoology Hons.

2.7. Scheme of CBCS distribution

SEMESTER	CORE COURSE (With Practical)	GENERIC ELECTIVE	DISCIPLINE SPECIFIC ELECTIVE	SKILL ENHANCE- MENT COURSE	ABILITY ENHANCE MENT COMPULSORY COURSE
I	i. Non-chordates ii. Ecology	Animal Diversity	_____	_____	ENVS
II	iii. Non-chordates iv. Cell Biology	Comparative Anatomy & Developmental Biology of Vertebrates	_____	_____	Communicative Eng./ MIL
III	v. Chordate vi. Animal Physiology vii. Biochemistry	Physiology and Biochemistry	_____	Apiculture or Sericulture	
IV	viii. Comparative Anatomy ix. Animal Physiology x. Immunology	Genetics and Evolutionary Biology	_____	Medical Diagnostics OR Aquarium Fish Keeping	
V	xi. Molecular Biology xii. Genetics	_____	Animal Biotechnology OR Microbiology Parasitology OR Biology of Insects	_____	
VI	xiii. Developmental Biology xiv. Evolution		Animal Behaviour OR Wild Life Endocrinology OR Reproductive Biology		

3. Core Subjects Syllabus

3.1. Core T1 –Non-Chordates I

Credits : 6

Lectures: 50

Non-Chordates I	4 Credits	Class
Unit 1: Basics of Animal Classification		
Definitions: Classification, Systematics and Taxonomy; Taxonomic Hierarchy, Taxonomic types. Codes of Zoological Nomenclature; Principle of priority; Synonymy and Homonymy; Five kingdom concept of classification (Whittaker)		4
Unit 2: Protista and Metazoa		15
Protozoa General characteristics and Classification up to phylum (according to Levine et. al., 1980) Locomotion in <i>Euglena</i> , <i>Paramecium</i> and <i>Amoeba</i> ; Conjugation in <i>Paramecium</i> . Life cycle and pathogenicity of <i>Plasmodium vivax</i> and <i>Entamoeba histolytica</i> Metazoa Evolution of symmetry and segmentation of Metazoa		
Unit 3: Porifera		6
General characteristics and Classification up to orders (after Hyman, 1951); Canal system and spicules in sponges		
Unit 4: Cnidaria		10
General characteristics and Classification up to orders. Metagenesis in <i>Obelia</i> Polymorphism in Cnidaria Corals and coral reef diversity, function & conservation		
Unit 5: Ctenophora		2
General characteristics		
Unit 6: Platyhelminthes		6
General characteristics and Classification up to classes Lifecycle and pathogenicity and control measures of <i>Fasciola hepatica</i> and <i>Taenia solium</i>		
Unit 7: Nematoda		7
General characteristics and Classification up to classes Life cycle, and pathogenicity and control measures of <i>Ascaris lumbricoides</i> and <i>Wuchereria bancrofti</i>		

Suggested Readings:

1. Anderson, D. T. (Ed.) (2001). Invertebrate Zoology. 2nd Ed. Oxford University Press.
2. Barnes, R. D. & Ruppert, E. E., (1994). Invertebrate Zoology. 6th Ed. Brooks Cole.
3. Barrington, E. J. W. (1981). Invertebrate Structure and function. 2nd Ed. ELBS & Nelson.
4. Blackwelder, R. E., (1967). Taxonomy- A text and reference book. John Wiley & Sons.
5. Brusca, R. C. & Brusca, G. J. (2002). Invertebrates. 4th Ed. Sinauer Associates...
6. Dhami P.S and J.K. Dhami – Invertebrate Zoology – S. Chand and Co.
7. Hickman, C.P. Jr., F.M. Hickuman and L.S. Roberts, 1984. Integrated Principles of Zoology, 7th Edition, Times Merror/Mosby College Publication. St. Louis. 1065pp.
8. Hyman, L. H. (1951). The Invertebrates (Vol-I). Mc.GrawHill Book Company.
9. Jordan, E. L. & Verma, P. S. (2006). Invertebrate Zoology. S. Chand & Company Ltd. New Delhi.
10. Kapoor, V. C. (2008). Theory and practice of animal taxonomy. 6th Ed. Oxford & IBH Pub
11. Kotpal, R.L., 1988 – 1992. (All Series) Protozoa, Porifera, Coelentereta, Annelida, Arthropoda, Mollusca, Echinodermata, – Rastogi Publications, Meerut – 250 002.
12. Mayr, E. (1969). Principles of Systematic Zoology. Tata McGraw-Hill.
13. Mayr, E. & Ashlock, P. D. (1991). Principles of Systematic Zoology. 2nd Ed., McGraw-Hill.
14. Meglitsch, P. A. & Schram, F. R. (1991). Invertebrate Zoology. Oxford University Press.

15. Parker, T. J. & Haswell, W. (1972). Text Book of Zoology, Volume I. Macmillan Press, London.
16. Pechenik, J. A. (1998). Biology of the Invertebrates, 4th Ed. McGraw Hill..
17. Ruppert E. E., Fox, R. & Barnes R. D. (2003). Invertebrate Zoology: a Functional Evolutionary Approach. 7th Ed. Brooks Cole.
18. Sinha, K. S., Adhikari, S., & Ganguly, B. B. Biology of Animals. Vol. I. New Central Book Agency. Kolkata.

Classification to be followed from Barnes and Rupert 1994, 6th Edition.

3.2. Core P1–Non-Chordates I Lab

Non- Chordates I	2 credits
List of Practical	
<ol style="list-style-type: none"> 1. Preparation of stained whole mount of <i>Euglena</i>, <i>Amoeba</i> and <i>Paramecium</i> 2. Spot Identification of <i>Amoeba</i>, <i>Euglena</i>, <i>Entamoeba</i>, <i>Opalina</i>, <i>Paramecium</i>, <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> (from the prepared slides) 3. Spot Identification of <i>Sycon</i>, Neptune's Cup, <i>Obelia</i>, <i>Physalia</i>, <i>Millepora</i>, <i>Aurelia</i>, <i>Tubipora</i>, <i>Corallium</i>, <i>Alcyonium</i>, <i>Gorgonia</i>, <i>Metridium</i>, <i>Pennatula</i>, <i>Fungia</i>, <i>Meandrina</i>, <i>Madrepora</i> 4. Spot Identification and significance of adult <i>Fasciola hepatica</i>, <i>Taenia solium</i> and <i>Ascaris lumbricoides</i>. 5. Staining/mounting of any protozoa/helminth from gut of cockroach 	
Full Marks: 20	
Examination Pattern:	
Staining and Mounting-/ Whole Mount (Item No.1)	----- = 10
Spot identification (1 from Item 2, 2 from item 3)	(3 X 2) = 06
Spot identification with significance (1 from item 4)	= 02
Laboratory Note Book -----	= 02
Suggested Readings:	
<ol style="list-style-type: none"> 1. Chatterjee and Chatterjee Practical Zoology 2. Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata 3. Sinha, J.K. , Chatterjee, A.K. and P. Chattopadhyay Advanced Practical Zoology 	

3.3.Core T2–Ecology

Credits : 6

Lectures: 50

Ecology	4 Credits	Class
Unit 1:Introductionto Ecology		4
History of ecology, Autecology and synecology, Levels of organization, Laws of limiting factors, Study of Physical factors, The Biosphere.		
Unit 2: Population		20
Unitary and Modular populations Unique and group attributes of population: Demographic factors, life tables, fecundity tables, survivorship curves, dispersal and dispersion. Geometric, exponential and logistic growth, equation and patterns, and K strategies. Population regulation, density dependent and independent factors Population Interactions, Gause's Principle with laboratory and field examples, Lotka-Volterra equation for competition.		
Unit 3: Community		11
Community characteristics: species diversity, abundance, , dominance, richness, Vertical stratification, Ecotone and edge effect. succession with one example		
Unit 4: Ecosystem		10
Types of ecosystem with an example in detail, Food chain: Detritus and grazing food chains, Linear and Y-shaped food chains, Food web, Energy flow through the ecosystem, Ecological pyramids and Ecological efficiencies Nutrient and biogeochemical cycle with an example of Nitrogen cycle Human modified ecosystem		
Unit 5: Applied Ecology		5
Wildlife Conservation (in-situ and ex-situ conservation). Management strategies for tiger conservation; Wild life protection act (1972)		

Suggested readings:

1. Basu, R.N. (2004). A Compendium of Terms in Ecology and Environment. Naya Udyog.
2. Begon, M., Harper, J. L. & Townsend, C. R. (2006). Ecology: Individuals, Populations & communities. 4th Ed. Blackwell science.
3. Cain, Bowman & Hacker. Ecology. 3rd edition. Sinauer associates
4. Chapman, R. L. and Reiss, M. J. (2000). Ecology - Principles & Application. Cambridge University Press.
5. Colinvaux, P. (1993). Ecology 2. John Wiley & Sons, Inc. New York.
6. Dash, M. C., (2001). Fundamental of Ecology. 2nd Ed. Tata McGraw-Hill Company.
7. Faurie, C., Ferra, C., Medori, P. & Devaux, J. (2001). Ecology-Science and Practice. Oxford & IBH Pub. Company.
8. Freedman, B. (1989). Environmental Ecology. Academic press, Inc.
9. Joshi, P.C. & Joshi, N. (2009). A Text Book of Ecology and Environment. Himalaya Publishing House.
10. Kormondy, E. J. (2002). Concepts of Ecology. 4th Indian Reprint, Pearson Education.
11. Krebs, C. J. (2001). Ecology. Benjamin Cummings.
12. Krebs, C.J. (2016). Ecology: The Experimental Analysis of Distribution and Abundance. Pearson Education Limited, Noida, India.
13. Molles, Jr. M.C. (2005). Ecology: Concepts and Applications. 3rd Ed. McGraw- Hill.
14. Odum, E. P. & Barret, G. W. (2005). Fundamentals of Ecology. 5th Ed. Thompson Brooks/Cole.
15. Ricklefs, R. E. & Miller, G. L. (2000). Ecology. 4th Ed. W. H. Freeman & Company.
16. Russel, P.J., Wolfe, L. S., Hertz, P.E. Starr, C. & McMillan, B. (2008). Ecology.
17. Brooks/Cole. Saharia, V. B. (1998). Wildlife in India. Natraj Publishers.
18. Smith, R. L. & Smith, T. M. (2001). Ecology and Field Biology. Benjamin Cummings Pearson Education.
19. Smith, T. M & Smith, R. L. (2006). Elements of Ecology. 6th Ed. Pearson Education.
20. Stiling, P. (2009). Ecology- Theories and Applications. 4th Ed. Prentice Hall of India.

21. Van Dyke, F. (2008). Conservation Biology: Foundations, Concepts, Application. 2nd Ed. Springer Science and Business Media.

3.4. Core P2– Ecology Lab

Ecology	Credits 2
List of Practical	
<ol style="list-style-type: none"> 1. Study of life tables and plotting of survivorship curves of different types from the hypothetical/real data provided 2. Determination of population density in a natural/hypothetical community by quadrat method and calculation of Shannon-Weiner diversity index for the same community 3. Study of an aquatic ecosystem: Phytoplankton and zooplankton, Measurement of area, temperature, determination of pH and free CO₂ 4. Report on a visit to National Park/Biodiversity Park/Wild life sanctuary/ Biodiversity Centre/ Any Museum/Sea shore 	
Full Marks: 20	
Examination Pattern:	
1 question (pH, free CO ₂ estimation)	(8 X 1) = 08
1 question From Item 1 and 2,	(8 X 1) = 08
Excursion Report	= 02
Laboratory Note Book	= 02
Suggested Readings:	
<ol style="list-style-type: none"> 1. Robert Desharnais, Jeffrey Bell, 'Ecology Student Lab Manual, Biology Labs' 2. Darrell S Vodopich, 'Ecology Lab Manual' 	

3.5. Core T3- Non-Chordates II

Credits : 6

Lectures: 50

Non- Chordates II	4 Credits	Class
Unit1:Introduction		2
Evolution of coelom and metamerism		
Unit2: Annelida		10
<ol style="list-style-type: none"> 1. General characteristics and Classification up to order 2. Excretion in Annelida through nephridia. 3. Metamerism in Annelida. 		
Unit3: Arthropoda		16
<ol style="list-style-type: none"> 1. General characteristic sand Classification up to subclass 2. Vision in Insecta 3. Respiration in Arthropoda (Gills in prawn and trachea in cockroach) 4. Metamorphosis in Lepidopteran Insects. 5. Social life in termite 		
Unit4: Onychophora		2
General characteristics and Evolutionary significance		
Unit5: Mollusca		10
<ol style="list-style-type: none"> 1. General characteristics and Classification up to classes 2. Nervous system and torsion in Gastropoda 3. Feeding and respiration in <i>Pila</i> sp 		
Unit6: Echinodermata		8
<ol style="list-style-type: none"> 1. General characteristics and Classification up to orders 2. Water-vascular system in Asteroidea 3. Larval forms in Echinodermata 4. Affinities with Chordates 		
Unit7: Hemichordata		2
General characteristics of phylum Hemichordata. Relationship with non-chordates and chordates		

Suggested Readings:

1. Anderson, D. T. (Ed.) (2001). Invertebrate Zoology. 2nd Ed. Oxford University Press.
2. Barnes, R. D. & Ruppert, E. E., (1994). Invertebrate Zoology. 6thEd. Brooks Cole.
3. Barrington, E. J. W. (1981). Invertebrate Structure and function. 2nd Ed. ELBS & Nelson.
4. Brusca, R. C. & Brusca, G. J. (2002). Invertebrates. 4th Ed. Sinauer Associates...
5. Dhami P.S and J.K. Dhami – Invertebrate Zoology – S. Chand and Co.
6. Hickman, C.P. Jr., F.M.Hickuman and L.S. Roberts, 1984. Integrated Principles of Zoology, 7th Edition, Times Merror/Mosby College Publication. St. Louis. 1065pp.
7. Hyman, L. H. (1951). The Invertebrates (Vol-I). Mc. GrawHill Book Company.
8. Jordan, E. L. & Verma, P. S. (2006). Invertebrate Zoology. S. Chand & Company Ltd. New Delhi.
9. Kotpal, R.L., 1988 – 1992. (All Series) Annelida, Arthropoda, Mollusca, Echinodermata, – Rastogi Publications, Meerut – 250 002.
10. Meglitsch, P. A. & Schram, F. R. (1991). Invertebrate Zoology. Oxford University Press.
11. Parker, T. J. & Haswell, W. (1972). Text Book of Zoology, Volume I. Macmillan Press, London.
12. Pechenik, J. A. (1998). Biology of the Invertebrates, 4th Ed. McGraw Hill.
13. Ruppert E. E., Fox, R. & Barnes R. D. (2003). Invertebrate Zoology: a Functional Evolutionary Approach. 7th Ed. Brooks Cole.

14. Sinha, K. S., Adhikari, S., & Ganguly, B. B. Biology of Animals. Vol. I. New Central Book Agency (p) Ltd. Kolkata.

Note: Classification to be followed from Rupert and Barnes, 1994, 6th Edition.

3.6. Core P3–Non- Chordates II Lab

Non-Chordates II	2 Credits
List of Practical	
1. Spot identification of following specimens (based on specimen characters): <ol style="list-style-type: none"> Annelids- <i>Aphrodite, Nereis, Heteronereis, Sabella, Chaetopterus, Pheretima, Hirudinaria</i> Arthropods- <i>Carcinoscorpius, Palamnaeus, Palaemon, Daphnia, Balanus, Sacculina, Cancer, Eupagurus, Scolopendra, Julus, Bombyx, Periplaneta, Odontotermes and Apis</i> Onychophora- <i>Peripatus</i> Molluscs - <i>Chiton, Dentalium, Pila, Doris, Helix, Lamellidens, Ostrea, Pinctada, Sepia, Octopus, Nautilus</i> Echinoderms- <i>Pentaceros/ Asterias, Ophiura, Clypeaster, Echinus, Cucumaria and Antedon</i> Hemichordates - <i>Balanoglossus</i> 	
2. Study of digestive system, septal nephridia and pharyngeal nephridia of earthworm using model and chart	
3. T.S. through pharynx, gizzard, and intestine at typhlosolar region of earthworm	
4. Mount of mouth parts and study of digestive system and nervous system of <i>Periplaneta</i>	
5. To submit a Project Report on any related topic on larval forms (arthropods, mollusc and	
Full Marks: 20	
Examination Pattern:	
Dissection (From item No. 2 and/or 4) any one	(8 × 1) = 08
Spot identification (any four)	(2×4) = 08
Project Report	= 02
Laboratory Note Book	= 02
Suggested Readings:	
Chatterjee and Chatterjee Practical Zoology	
Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata	
Sinha, J.K. , Chatterjee, A.K. and P. Chattopadhyay Advanced Practical Zoology	

3.7.Core T4- Cell Biology

Credits : 6

Lectures: 50

Cell Biology	Credits 4	Class
Unit1: Overview of Cells		2
Basic structure of Prokaryotic and Eukaryotic cells, Viruses, Viroid, Prion and Mycoplasma		
Unit2:PlasmaMembrane		6
<ol style="list-style-type: none"> 1. Ultra structure and composition of Plasma membrane: Fluid mosaic model 2. Transport across membrane: Active and Passive transport, Facilitated transport 3. Cell junctions: Tight junctions, Gap junctions, Desmosomes 		
Unit3:Cytoplasmic organelles I		5
<ol style="list-style-type: none"> 1. Structure and Functions: Endoplasmic Reticulum, Golgi Apparatus, Lysosomes 2. Protein sorting and mechanisms of vesicular transport 		
Unit4:Cytoplasmic organelles II		6
<ol style="list-style-type: none"> 1. Mitochondria: Structure, Semi-autonomous nature, Endosymbiotic hypothesis Mitochondrial Respiratory Chain, Chemi- osmotic hypothesis. 2. Structure and Functions of Peroxisome and Centrosome 		
Unit5:Cytoskeleton		5
<ol style="list-style-type: none"> 1. Type, structure and functions of cytoskeleton 2. Accessory proteins of microfilament &microtubule 3. A brief idea about molecular motors 		
Unit6:Nucleus		8
<ol style="list-style-type: none"> 1. Structure of Nucleus: Nuclear envelope, nuclear pore complex, Nucleolus. 2. Chromatin: Euchromatin and Heterochromatin and packaging (nucleosome) 		
Unit7:Cell Division		8
<ol style="list-style-type: none"> 1. Cell cycle and its regulation, 2. Cancer (Concept of oncogenes and tumor suppressor genes with special referencetop53, Retinoblastoma and Ras and APC. 3. Mitosis and Meiosis: Basic process and their significance 		
Unit8:Cell Signaling		8
<ol style="list-style-type: none"> 1. Cell signalling transduction pathways; Types of signalling molecules and receptors 2. GPCR and Role of second messenger (cAMP) 3. Extracellular matrix 4. Cell interactions Apoptosis and Necrosis 		

Suggested Readings:

1. Albert Bruce, Bray Dennis, Levis Julian ,Raff Martin, Roberts Keith and Watson James (2008).Molecular Biology of the Cell, V Edition, Garland publishing Inc., New York and London.
2. Cooper, G.M. and Hausman, R.E. (2009). The Cell: AMolecularApproach.5thEdition. ASM Press and Sunderland, Washington, D.C.; Sinauer Associates, MA.
3. Hardin, J. Bertoni, G and Klein smith, J. L. (2012). Becker's World of the Cell. 8th Edn, Pearson Benjamin Cummings, San Francisco.
4. Harvey, L. (2004). Molecular Cell Biology. 5th Edn. W.H. Freeman
5. Karp, G. (2008). Cell and Molecular biology: Concepts and Application. 5th Edn, John Wiley.
6. Lodish, Berk, Matsudaira, Kaiser, Bretscher, Ploegh, Amon, and Martin (2016) Molecular Cell Biology. 8th Edn. W.H. Freeman
7. Pal, A. (2011). Textbook of Cell and Molecular Biology 3rd Edn, Bokks and Allied, Kolkata.
8. Plopper, G, D. Sharp, Siroski, E (2015) Lewin's Cell 3rdEdition—Johns & Bartlett Publishers

9. Pollard and Earnshaw (2007). Cell Biology. 2nd. Edn Saunders.
10. Reed, J.C. and Green, D.R. (2011). Apoptosis: Physiology and Pathology. Cambridge Univ. Press
11. Verma and Agarwal. Cell Biology, Genetics, Molecular Biology, Evolution and Ecology. S. Chand Pub, Weinberg R.A. (2014). Biology of Cancer. 2nd edition. Garland Science, Taylor and Francis

3.8. Core P4–Cell Biology Lab

Cell Biology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Preparation of temporary stained squash of onion root tip to study various stages of mitosis 2. Squash preparation of grasshopper testis and study of the various stages of meiosis. 3. Preparation of permanent slide to show the presence of Barr body in human female blood cells/cheek cells. 4. Study of cell viability by Trypan Blue staining from onion root tip/ blood cell. 	
Full Marks: 20	
Examination Pattern:	
1 question on squash preparation from Item No. 1 or 2 -----	(6X 1) = 06
Preparation of slide (From Item 3 or 4) -----	(4X 1) = 04
Identification of stages of mitosis and meiosis -----	(2X4) = 08
Laboratory Note Book -----	= 02
Suggested Readings:	
Chatterjee and Chatterjee Practical Zoology	
Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata	
Sinha, J.K. , Chatterjee, A.K. and P. Chattopadhyay Advanced Practical Zoology	

3.9. Core T5- Chordates

Credits : 6

Lectures: 50

Chordates	4 Credits	Class
Unit 1: Introduction to Chordates		2
General characteristics and outline classification of Phylum Chordata		
Unit 2: Protochordata		6
1. General characteristics and classification of sub-phylum Urochordata and Cephalochordate up to Classes. 2. Retrogressive metamorphosis in <i>Ascidia</i> . 3. Chordate Features and Feeding in <i>Branchiostoma</i>		
Unit 3: Origin of Chordata		2
1. Dipleurula concept and the Echinoderm theory of origin of chordates 2. Advanced features of vertebrates over Protochordata		
Unit 4: Agnatha		2
General characteristics and classification of cyclostomes up to order		
Unit 5: Pisces		6
1. General characteristics and classification of Chondrichthyes and Osteichthyes up to Subclasses 2. Accessory respiratory organ, migration and parental caring fishes 3. Swim bladder in fishes.		
Unit 6: Amphibia		6
1. General characteristics and classification upto living Orders. 2. Metamorphosis and parental care in Amphibia		
Unit 7: Reptilia		8
1. General characteristics and classification up to living Orders. 2. Poison apparatus and Biting mechanism in Snake		
Unit 8: Aves		8
1. General characteristics and classification up to Sub-Classes 2. Exoskeleton and migration in Birds 3. Principles and aerodynamics off flight		
Unit 9: Mammals		8
General characters and classification up to living orders Affinities of Prototheria Exoskeleton derivatives of mammals Adaptive radiation in mammals with reference to locomotory appendages Echolocation in Micro-chiropterans and Cetaceans		
Unit 10: Zoogeography		2
Zoogeographical realms, Plate tectonic and Continental drift theory, distribution of birds and mammals in different realms		

Note: Classifications for Protochordata, Agnatha, Reptilia, Aves and Mammalia to be followed from Young (1981), for Pisces to be followed from Romer (1959), for Amphibia to be followed from Duellman and Trueb (1986).

Suggested Readings:

1. Arora, M.P. *Chordata I. Himalaya Pub House*
2. Darlington P.J. *The Geographical Distribution of Animals*, R.E. Krieger Pub Co.
3. Hall B.K. and Hallgrímsson B. (2008). *Strickberger's Evolution. IVEdition. Jones and Bartlett*
4. Jordan, E.L. & Verma, P.S. (2003). *Chordate Zoology*. S. Chand & Company Ltd. New Delhi.
5. Kardong, K.V. (2002). *Vertebrates: Comparative anatomy, function evolution*. Tata McGraw Hill.
6. Kent, G. C. & Carr, R.K. (2001). *Comparative anatomy of the Vertebrates. 9th Ed. McGraw Hill*.
7. Nelson, J.S. (2006): *Fishes of the World, 4th Edn. Wiley*.

8. Parker, T.J. & Haswell, W. (1972). Text Book of Zoology, Volume II: Marshall and Willam (Eds.) 7th Ed. Macmillan Press, London.
9. Pough H. Christine M. J. and B. Haiser (2002). Vertebrate life, VIII Edition, Pearson Internatl.
10. Rastogi, V.B. Ecology and Animal Distribution. Rastogi Publication.
11. Romer, A. S. & Parsons, T.S. (1986). The vertebrate body. 6th Ed. Saunders College Pub.
12. Sinha, K. S, Adhikari, S. Ganguly B.B. & Bharati Goswami, B.D. (2001). Biology of Animals. Vol. II. New Central Book Agency (p) Ltd.
13. Young, J. Z. (2004). The Life of Vertebrates. III Edition. Oxford university press.

3.10. Core P5–Chordates Lab

Chordates	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Spot identification of <ol style="list-style-type: none"> a. Protochordata : <i>Balanoglossus, Herdmania, Branchiostoma</i> b. Agnatha: <i>Petromyzon, Myxine</i> c. Fishes: <i>Scoliodon, Sphyrna, Pristis, Torpedo, Chimaera, Mystus, Heteropneustes, Labeo, Catla, Cirrhinus, Hypophthalmichthys, Cyprinus, Ctenopharyngodon, Exocoetus, Echeneis, Anguilla, Hippocampus, Tetraodon/Diodon, Anabas, Clarias</i> d. Amphibia: <i>Necturus, Bufo, Hyla, Alytes, Axolotl larva, Tylotriton</i> e. Reptilia: <i>Chelone, Trionyx, Hemidactylus, Varanus, Uromastix, Mabuya, Draco, Bungarus, Vipera, Naja, Hydrophis</i> f. Mammalia: Bat (Insectivorous and Frugivorous), <i>Funambulus</i> 2. Key for Identification of poisonous and non-poisonous snake 3. Mounting of Pecten from Fowl head 4. Dissection of brain and pituitary of any major carp 5. Power point presentation on study of any two animals from two different classes by students (may be included if dissections not permitted). Power point submission & demonstration through laptop. 	
Full Marks: 20	
Examination Pattern:	
One question on Dissection (Item No. 4)	----- (6X 1) = 06
One question (From Item 2 or 3)	----- (4 X 1) = 04
Spot Identification of three Specimen	(2X3) = 06
Power point Presentation	= 02
Laboratory Note Book -----	= 02
Suggested Readings:	
<ol style="list-style-type: none"> 1. Chatterjee and Chatterjee Practical Zoology 2. Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata 3. Sinha, J.K. , Chatterjee, A.K. and P. Chattopadhyay Advanced Practical Zoology 	

3.11. Core T6 - Animal Physiology: Controlling & Coordinating Systems

Credits : 6

Lectures: 50

Animal Physiology: Controlling & Coordinating Systems	4 Credits	Class
Unit1:Tissues		4
Structure, location, classification and functions of epithelial tissue, connective tissue, muscular tissue and nervous tissue		
Unit2:Bone and Cartilage		4
Structure and types of bones and cartilages, Ossification		
Unit3:NervousSystem		10
<ol style="list-style-type: none"> 1. Structure of neuron, resting membrane potential, Origin of action potential and its propagation across the myelinated and unmyelinated nerve fibers. 2. Types of synapse, Synaptic transmission and Neuro-muscular junction; 3. Reflex action and its types 		
Unit4:Muscular system		10
<ol style="list-style-type: none"> 1. Histology of different types of muscle; 2. Ultrastructure of skeletal muscle; 3. Molecular and chemical basis of muscle contraction; Characteristics of muscle fibre 		
Unit5:ReproductiveSystem		6
<ol style="list-style-type: none"> 1. Histology of testis and ovary 2. Physiology of Reproduction (Estrus and Menstrual cycle) 		
Unit6:Endocrine System		16
<ol style="list-style-type: none"> 1. Histology and function of pituitary, thyroid, pancreas and adrenal 2. Classification of hormones; 3. Mechanism of Hormone action: Signal transduction pathways for Steroidal and Nonsteroidal hormones 4. Hypothalamus (neuroendocrine gland) – principal nuclei involved in neuroendocrine control of anterior pituitary and endocrine system 5. Placental hormones 		

Suggested Readings:

1. Cui, Naftel, Daley, Lynch, Haines, Yang and Fratkun (2011). Atlas of Histology with Functional and Clinical Correlations. Lippincott, Williams and Wilkins.
2. Cormack, D.H (2003). PDQ Histology. B.C. Decker Ins., London
3. Gartner and Hiatt (2011). Concise Histology. Saunders Elsevier
4. Gunasegaran, JP (2010). A Text book of Histology and a Practical Guide. Elsevier
5. Junquera and Cameiro (2005). Basic Histology: Text and Atlas.
6. Ross & Pawlina Histology: A Text and Atlas. Sixth Edition. Lippincott Williams & Wilkins.
7. Randall, D. and Warren Burggren. Eckert Animal Physiology 4th edition. W.H. Freeman.
8. Sembulingam and Sembulingam (2012) Essentials of Medical Physiology. 6th Edn. Jaypee Pub, New Delhi
9. Vasudeva and Mishra (2014). Inderbir Singh's Text book Of Human Histology 7th Edn Jaypee Publisher N. Delhi

3.12. Core P6–Animal Physiology: Controlling & Coordinating Systems Lab

Animal Physiology: Controlling & Coordinating Systems	2 Credits																				
List of Practical																					
<ol style="list-style-type: none"> 1. Recording of simple muscle twitch with electrical stimulation(or Virtual) 2. Demonstration of the unconditioned reflex action(Deep tendon reflex such as knee jerk reflex) 3. Preparation of temporary mounts: Squamous epithelium, Striated muscle fibres 4. Identification of permanent slides of Mammalian Cartilage, Bone, Pituitary, Liver, Kidney, Intestine, Lung, Pancreas, Testis, Ovary, Adrenal, Thyroid 5. Microtomy: Preparation of permanent slide of any five mammalian(Goat/white rat)tissues 																					
<p style="text-align: right;">Full Marks: 20</p> <p>Examination Pattern:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Preparation of stained temporary mount (Item No. 3)</td> <td style="width: 10%; text-align: center;">-----</td> <td style="width: 10%; text-align: center;">(6×1)</td> <td style="width: 10%; text-align: center;">=</td> <td style="width: 10%; text-align: center;">06</td> </tr> <tr> <td>One question (From Item 1, 2 or 5)</td> <td style="text-align: center;">-----</td> <td style="text-align: center;">(6×1)</td> <td style="text-align: center;">=</td> <td style="text-align: center;">06</td> </tr> <tr> <td>Spot Identification of three Specimen</td> <td></td> <td style="text-align: center;">(2×3)</td> <td style="text-align: center;">=</td> <td style="text-align: center;">06</td> </tr> <tr> <td>Laboratory Note Book -----</td> <td></td> <td></td> <td style="text-align: center;">=</td> <td style="text-align: center;">02</td> </tr> </table>		Preparation of stained temporary mount (Item No. 3)	-----	(6×1)	=	06	One question (From Item 1, 2 or 5)	-----	(6×1)	=	06	Spot Identification of three Specimen		(2×3)	=	06	Laboratory Note Book -----			=	02
Preparation of stained temporary mount (Item No. 3)	-----	(6×1)	=	06																	
One question (From Item 1, 2 or 5)	-----	(6×1)	=	06																	
Spot Identification of three Specimen		(2×3)	=	06																	
Laboratory Note Book -----			=	02																	
<p>Scudamore C.L. (2014). A Practical Guide to the Histology of Mouse. Wiley Blackwell.</p>																					

3.13. Core T7- Fundamentals of Biochemistry

Credits : 6

Lectures: 50

Fundamentals of Biochemistry	4 Credits	Class
Unit1:Carbohydrates		8
1. Structure and Biological importance: Monosaccharides, Disaccharides, Polysaccharides; Derivatives of Monosachharides 2. Carbohydrate metabolism: Glycolysis, Citric acid cycle, Pentose phosphate pathway, Gluconeogenesis		
Unit2:Lipids		7
1. Structure and Significance: Physiologically important saturated and unsaturated fatty acids, Tri- acyl glycerols, Phospholipids, Sphingolipid, Glycolipids, Steroids, Eicosanoids and terpinoids. 2. Lipid metabolism: β -oxidation of fatty acids; Fatty acid biosynthesis		
Unit3:Proteins		10
1. Amino acids : Structure, Classification, General and Electrochemical properties of α -amino acids; Physiological importance of essential and non-essential amino acids 2. Proteins: Bonds stabilizing protein structure; Levels of organization 3. Protein metabolism: Transamination, Deamination, Urea cycle, Fate of C-skeleton of Glucogenic and Ketogenic amino acids		
Unit4:NucleicAcids		10
1. Structure: Purines and pyrimidines, Nucleosides, Nucleotides, Nucleic acids 2. Types of DNA and RNA, Complementarity of DNA, Hypo-Hyper chromaticity of DNA 3. Basic concept of nucleotide metabolism		
Unit5:Enzymes		13
1. Nomenclature and classification; Cofactors; Specificity of enzyme action; Isozymes 2. Mechanism of enzyme action; Enzyme kinetics; Derivation of Michaelis- Menten Equation, Lineweaver-Burk plot; Factors affecting rate of enzyme- catalyzed reactions; Enzyme inhibition; Allosteric enzymes and their Factors affecting rate of enzyme-catalyzed reactions; 3. Enzyme inhibition; Allosteric enzymes and their kinetics; Strategy of enzyme action- 4. Catalytic and Regulatory (Basic concept with one example each)		
Unit5:Oxidative Phosphorylation		2
Redox systems; Review of mitochondrial respiratory chain, Inhibitors and un-couplers of Electron		

Suggested Readings:

1. Berg, J.M., Tymoczko, J.L. and Stryer, L (2007). Biochemistry, VI Edition, W.H. Freeman and Co., New York.
2. Campbell and Farrell (2012). Biochemistry. 7th Edn. Brooks and Cole.
3. Chatterjee, MN and Shinde, R (2012). A Textbook of Medical Biochemistry. 8th Edn. Jaypee Pub., N. Delhi
4. Cox, M.M and Nelson, D.L. (2008). Lehninger's Principles of Biochemistry, V Edition, W.H. Freeman and Co. New York.
5. Das, D. (200). Biochemistry. Central Book Agency, Kolkata
6. Hames, B.D. and Hooper, N.M. (2000). Instant Notes in Biochemistry, II Edition, BIOS Scientific Publishers Ltd., U.K.
7. Jain, J.L., Jain m S and N. Jain. Fundamentals of Biochemistry. S. Chand Pub. N. Delhi
8. Maheswari, N (2008). Clinical Biochemistry. Jaypee Pub., New Delhi
9. Metzler D.E. (2001). The chemical reactions of living cells –2nd edition, 2001, Academic Press.

10. Murray, R.K. ,Bender , D.A., Botham, K.M.,Kennelly ,P.J., Rodwell, V.W.andWell, P.A. (2009).Harper’s Illustrated Biochemistry, XXVIII Edition, International Edition, The McGraw-Hill Companies Inc.
11. Sathyanarayana U. and Chakrapani, (2002). Biochemistry –Books & Allied (P) Ltd, Kolkata
12. Voet. D & Voet. J.G, (2004). Biochemistry –3rd edition, 2004, John Wiley & Sons, Inc.
13. Zubay G.L, (1998). Biochemistry –4th edition, Mc Graw-Hill.

3.14. Core P7–Fundamentals of Biochemistry Lab

Fundamentals of Biochemistry	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Qualitative tests of functional groups in carbohydrates (Benedict’s test), proteins (Biuret’s test) and lipids (Saponification number). 2. Paper chromatography of amino acids. 3. Quantitative estimation of protein by Lowry Method 4. Demonstration of protein separation by SDS-PAGE. 5. To study the enzymatic activity of Salivary amylase and Catalase in <i>Cajanus cajan</i>. 	
Full Marks: 20	
Examination Pattern:	
One question from item 1 and 5	----- (6X 1) = 06
One question on quantitative test (From Item 3)	----- (8X 1) = 08
One question from item no. 2 & 4	(4X1) = 04
Laboratory Note Book -----	= 02

3.15. Core T8-Comparative Anatomy of Vertebrates

Credits : 6

Lectures: 50

Comparative Anatomy of Vertebrates	4 Credits	Class
Unit1: Integumentary System		6
Structure, function and derivatives of integument in amphibian, birds and mammals		
Unit2: Skeletal System		6
Overview of axial and appendicular skeleton; Jaw suspension; Visceral arches.		
Unit3: Digestive System		8
1. Comparative anatomy of stomach. 2. Dentition in mammals		
Unit4: Respiratory System		6
Respiratory organs in fish, amphibian, birds and mammals		
Unit5: Circulatory System		8
General plan of circulation, Comparative account of heart and aortic arches		
Unit6: Urinogenital System		6
1. Succession of kidney, 2. Evolution of urinogenital ducts, 3. Types of mammalian uteri		
Unit7: Nervous System		6
1. Comparative account of brain, 2. Cranial nerves in mammals		
Unit8: Sense Organs		4
1. Classification of receptors, 2. Brief account of auditory receptors invertebrate		

Suggestive Readings

1. Hilderbrand, Mand Gaslow G.E. Analysis of Vertebrate Structure, John Wiley and Sons
2. Kardong, K.V. (2005) Vertebrates' Comparative Anatomy, Function and Evolution. IV Edition. McGraw-Hill Higher Education
3. Kent, G.C. and Carr R.K. (2000). Comparative Anatomy of the Vertebrates. IX Edition. McGraw-Hill Companies
4. Saxena, R.K. & Saxena, S.C. (2008): Comparative Anatomy of Vertebrates, Viva Books Pvt. Ltd.

3.16. Core P8–Comparative Anatomy of Vertebrates Lab

Comparative Anatomy of Vertebrates	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Mounting of cycloid and ctenoid scales 2. Study of disarticulated skeleton of Toad, Pigeon and Guineapig 3. Demonstration of Carapace and plastron of turtle from model/chart 4. Identification of mammalian skulls:One herbivorous(Guineapig) and one carnivorous animal (Dog) 5. Study and Dissection of Afferent arterial system, brain, pituitary in Carp 	
Full Marks: 20	
Examination Pattern:	
One question on Dissection (Item No. 5) -----	(8X 1) = 08
One question (From Item No. 1) -----	(4 X 1) = 04
Spot Identification of three Specimen (from item 2,3,and 4)	(2X3) = 06
Laboratory Note Book -----	= 02

3.17. Core T9- Animal Physiology: Life Sustaining Systems

Credits : 6

Lectures: 50

Animal Physiology: Life Sustaining Systems	4 Credits	Class
Unit1:Physiology of Digestion		8
1. Structural organization and functions of Gastrointestinal tract and Associated glands; 2. Mechanical and chemical digestion of food, 3. Absorption of Carbohydrates, Lipids, Proteins and Nucleic Acids; 4. Digestive enzymes		
Unit2:Physiology of Respiration		8
1. Mechanism of Respiration, 2. Respiratory volumes and capacities, 3. Transport of Oxygen and Carbon dioxide in blood ,Dissociation curves and the factors influencing it, 4. Respiratory pigments. 5. Carbon monoxide poisoning		
Unit3:Physiology of Circulation		12
1. Components of Blood and their functions ;Structure and functions of haemoglobin 2. Homeostasis; Blood clotting system, Fibrinolytic system 3. Haemopoiesis; Basic steps and its regulation 4. Blood groups; ABO and Rh factor		
Unit4:Physiology of Heart		8
1. Structure of mammalian heart, 2. Coronary Circulation, 3. Structure and working of conducting myocardial fibres, 4. Origin and conduction of cardiac impulses 5. Cardiac Cycle and cardiac output 6. Blood pressure and its regulation		
Unit5:Thermoregulation&Osmoregulation		6
1. Physiological classification based on thermal biology. 2. Thermal biology of endotherms 3. Osmoregulation in aquatic vertebrates 4. External osmoregulatory organs invertebrates		
Unit6:RenalPhysiology		8
1. Structure of Kidney and its functional unit, 2. Mechanism of urine formation, 3. Regulation of acid-base balance		

Suggested Readings:

1. Costanzo, L.S. BRS Physiology.4th Edn. Lippincott Williams and Wilkins.
1. Fox, S.I. (2011). Human Physiology. 12th Edn. Mc Graw Hill.
2. Gunstream, S.E. (2010). Anatomy and Physiology with integrated study guide. 4th Edn., Mc Graw Hill
3. Guyton, A.C. & Hall, J.E. (2006). Textbook of Medical Physiology. XI Edn. Harcourt Asia PTE Ltd. W.B. Saunders Company.
4. Hill, Wyese and Anderson (2012). Animal Physiology. 3rd Edn. Sinauer Associates.
5. Randall, Burggren and French Eckert Animal Physiology: Mechanisms and adaptations
6. Rastogi, S.C. (2007). Essentials of Animal Physiology4th Edn. New Age Pub., N. Delhi
7. Sembulingam and Sembulingam (2012) Essentials of Medical Physiology. 6th Edn. Jaypee Pub, New Delhi

8. Sherwood, L. (2013). Human Physiology from cells to systems. 8th Edn., Brooks & Cole
9. Tortora, G.J. & Grabowski, S. (2006). Principles of Anatomy & Physiology. XI Edition John Wiley & sons,
10. Victor P. Eroschenko. (2008). DiFiore's Atlas of Histology with Functional correlations. XII Edition. Lippincott W. & Wilkins.
11. Vander A, Sherman J. and Luciano D. (2014). Vander's Human Physiology: The Mechanism of Body Function. XIII Edition, McGraw Hills

3.18. Core P9–Animal Physiology: Life Sustaining Systems Lab

Animal Physiology: Life Sustaining Systems	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Determination of ABO Blood group 2. Enumeration of red blood cells and white blood cells using haemocytometer 3. Estimation of haemoglobin using Sahli's haemoglobinometer 4. Preparation of haem in crystals 5. Recording of blood pressure using a sphygmomanometer 	
Full Marks: 20	
Examination Pattern:	
One Experiment from Item No. 3 or 4	----- (6X 1) = 06
One Experiment from Item No. 2	----- (7X 1) = 07
One experiment from Item No. 1 or 5	(1 X5) = 05
Laboratory Note Book -----	= 02

3.19. Core T10-Immunology

Credits : 6

Lectures: 50

Immunology	4 Credits	Class
Unit1: Overview of Immune System		2
<ol style="list-style-type: none"> 1. Basic concepts of health and diseases, 2. Historical perspective of Immunology, 3. Cells and organs of the Immune system 		
Unit2: Innate and Adaptive Immunity		8
<ol style="list-style-type: none"> 1. Anatomical barriers, 2. Inflammation, 3. Cell and molecules involved in innate immunity, Adaptive immunity (Cell mediated and humoral). 		
Unit3: Antigens		4
<ol style="list-style-type: none"> 1. Antigenicity and immunogenicity, Immunogens, Adjuvants and haptens, 2. Factors influencing immunogenicity, 3. Band T-Cell epitopes 		
Unit4: Immunoglobulins		8
<ol style="list-style-type: none"> 1. Structure and functions of different classes of immunoglobulins, 2. Antigen- antibody interactions, 3. Immunoassays (ELISA and RIA), 4. Hybridoma technology, Monoclonal antibody production 		
Unit5: Major Histocompatibility Complex		6
<ol style="list-style-type: none"> 1. Structure and functions of MHC molecules. 2. Structure of Tcell Receptor and its signalling, 3. Tcell development & selection 		
Unit6: Cytokines		2
Types, properties and functions of cytokines.		
Unit7: Complement System		6
Components and pathways of complement activation.		
Unit8: Hypersensitivity		4
Gell and Coombs' classification and brief description of various types of hypersensitivities		
Unit9: Immunology of diseases		6
Malaria, Filariasis, Dengue and Tuberculosis		
Unit10: Vaccines		4
Various types of vaccines. Active & passive immunization (Artificial and natural).		

Suggested Readings:

1. Abbas, K. Abul and Lichtman H. Andrew (2003.) Cellular and Molecular Immunology. V Edition. Saunders Publication.
2. Abbas, K. Abul and Lichtman H. Andrew (2011.) Basic Immunology: Functions and Disorders of Immune System. Saunders Elsevier Publication.
3. Delves, Martin, Burton and Roitt (2006). Roitt's Essential Immunology. 11th Edn. Blackwell Pub.
4. Kindt, T.J., Goldsby, R.A., Osborne, B.A. and Kuby, J (2006). Immunology, VI Edition. W.H. Freeman and Company.

5. Mohanty, SK and Leela, KS (2014). Text book of Immunology. 2nd Edn. Jaypee Pub. N. Delhi
6. Parija, SC (2012). Text book of Microbiology and Immunology. 2nd Edn. Elsevier.
7. Playfair, JHL and Chain, BM (2001) Immunology at a glance. 7th Edn. Blackwell Pub.
8. Shetty, N. (2005). Immunology: Introductory Textbook. 2nd Edn. , New Age Internatl. Pub. N. Delhi
9. Virella, G (2007). Medical Immunology 6th Edn. Informa Healthcare.

3.20. Core P10–Immunology Lab

Immunology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Demonstration of lymphoid organs in human through model/ photograph. 2. Histological study of spleen, thymus and lymph nodes through slides/photographs 3. Preparation of stained blood film to study various types of blood cells. 4. Total count (TC) & Differential count (DC) of WBC 5. Demonstration of ELISA by available teaching kit 	
Full Marks: 20	
Examination Pattern:	
One Experiment from Item No. 3 or 4	----- (10X 1) = 10
Identification of slides/ photographs/apparatus (item 1, 2, 5) (any two)	(2 X4) = 08
Laboratory Note Book -----	= 02

3.21. Core T11- Molecular Biology

Credits : 6

Lectures: 50

Molecular Biology	4 Credits	Class
Unit1:Nucleic Acids		3
<ol style="list-style-type: none"> 1. Salient features of DNA and RNA 2. Watson and Crick Model of DNA 		
Unit2:DNA Replication		9
<ol style="list-style-type: none"> 1. Mechanism of DNA Replication in Prokaryotes, Semi-conservative, bidirectional and discontinuous Replication, RNA priming, 2. Replication of telomeres 		
Unit3:Transcription		7
Mechanism of Transcription in prokaryotes and eukaryotes, Transcription factors, Difference between prokaryotic and eukaryotic transcription.		
Unit4:Translation		6
<ol style="list-style-type: none"> 1. Mechanism of protein synthesis in prokaryotes, 2. Ribosome structure and assembly in prokaryotes, fidelity of protein synthesis, aminoacyl tRNA synthetases and charging of tRNA; Proteins involved in initiation, elongation and termination of polypeptide chain; 3. Genetic code, Degeneracy of the genetic code and Wobble Hypothesis; 4. Inhibitors of protein synthesis; 5. Difference between prokaryotic and eukaryotic translation 		
Unit5:PostTranscriptionalModificationsandProcessingofEukaryoticRNA		8
<ol style="list-style-type: none"> 1. Capping and Poly A tail formation in mRNA; 2. Split genes: concept of introns and exons, splicing mechanism, alternative splicing, Exon shuffling, and RNA editing, 3. Processing of tRNA 		
Unit6:Gene Regulation		7
<ol style="list-style-type: none"> 1. Regulation of Transcription in prokaryotes: <i>lac</i> operon and <i>trp</i> operon; 2. Regulation of Transcription in eukaryotes: Activators, enhancers, silencer, repressors, 3. miRNA mediated gene silencing, 4. Genetic imprinting 		
Unit7:DNA Repair Mechanisms		4
Types of DNA repair mechanisms, RecBCD model in prokaryotes, nucleotide and base excision repair, SOS repair		
Unit8: Principles of Molecular Techniques		6
<ol style="list-style-type: none"> 1. PCR 2. Western and Southern blot 3. Northern Blot & 4. Sanger DNA sequencing 		

Suggested Readings:

- Albert Bruce, Bray Dennis, Levis Julian, Raff Martin, Roberts Keith and Watson James (2008). Molecular Biology of the Cell, V Edition, Garland publishing Inc., NY and London.
- Allison, L.A. (2007). Fundamental Molecular Biology. Blackwell Publishing.
- Cooper, G.M. and Hausman, R.E. (2009). The Cell: A Molecular Approach. 5th Edition. ASM Press and Sunderland, Washington, D.C.; Sinauer Associates, MA.
- Harvey, L. (2004). Molecular Cell Biology. 5th Edn. W.H. Freeman
- Karp, G. (2008). Cell and Molecular biology: Concepts and Application. 5th Edn, John Wiley.

- Lackie, J.M. (2013). Dictionary of Molecular Biology. 5th Edn. Academic Press.
- Lewin, B. (2008). Gene IX. Jones and Bartlett.
- Lodish, Berk, Matsudaira, Kaiser, Bretscher, Ploegh, Amon, and Martin (2016) Molecular Cell Biology. 8th Edn. W.H. Freeman
- Pal, A. (2011). Textbook of Cell and Molecular Biology 3rd Edn, Books and Allied, Kolkata.
- Russel, P.J. (2010). i-Genetics: A Molecular Approach 3rd edition. Pearson Benjamin
- Turner, McLennan, Bales & White (2005). Instant Notes in Molecular Biology. Taylor Francis
- Twyman, Advanced Molecular Biology. Viva Publication.
- Verma & Agarwal. Cell Biology, Genetics, Molecular Biology, Evolution & Ecology. S. Chand
- Watson, Baker, Bell, Gann, Lewin, Losick (2014). Molecular Biology of the Gene. 7th Edn. Pearson.

3.22. Core P11–Molecular Biology Lab

Molecular Biology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Preparation of polytene chromosome from Diptera (<i>Chironomus/ Drosophila/ Mosquito larva</i>) 2. Identification of polytene and lampbrush chromosome from photograph 3. Isolation and quantification of genomic DNA using spectrophotometer (A260 measurement) (demonstration only) 4. Demonstration of agarose gel electrophoresis for DNA 5. Study and interpretation of electron micrographs/ photographs showing <ol style="list-style-type: none"> a) DNA replication b) Transcription c) Split genes 6. Preparation of liquid and solid bacterial culture media, slant and stab 7. Demonstration of antibiotic sensitivity/ resistance of bacteria to antibiotic discs 	
Full Marks: 20	
Examination Pattern:	
One Experiment from Item No. 1	----- (6 X 1) = 06
One experiment from Item No. 6	(4X1) = 04
Identification any four from Item No. 2 , 3, 4 , 5 & 7	(2 X 4) = 08
Laboratory Note Book -----	= 02

3.23. Core T12- Genetics

Credits : 6

Lectures: 50

Genetics	4Credits	Clas
Unit1: Mendelian Genetics and its Extension		10
<ol style="list-style-type: none"> Principles of inheritance, Incomplete dominance and co-dominance, Epistasis Multiple alleles, Lethal alleles, Pleiotropy Sex-linked, sex-influenced and sex-limited inheritance, Polygenic Inheritance. 		
Unit2: Linkage, Crossing Over and Chromosomal Mapping		10
<ol style="list-style-type: none"> Linkage and Crossing Over, molecular basis of crossing over, Measuring Recombination frequency and linkage intensity using three factor crosses, Interference and coincidence 		
Unit3: Mutations		8
<ol style="list-style-type: none"> Types of gene mutations(Classification), Types of chromosomal aberrations(Classification with one suitable example of each), Non-disjunction and variation in chromosome number; Molecular basis of mutations in relation to UV light and chemical mutagens 		
Unit4: Sex Determination		8
<ol style="list-style-type: none"> Mechanisms of sex determination in <i>Drosophila</i> Sex determination in mammals Dosage compensation in <i>Drosophila</i> & Human 		
Unit5: Extra-chromosomal Inheritance		4
<ol style="list-style-type: none"> Criteria for extra chromosomal inheritance, Antibiotic resistance in <i>Chlamydomonas</i>, Kappa particle in <i>Paramecium</i> Shell spiralling in snail 		
Unit6: Recombination in Bacteria and Viruses		6
<ol style="list-style-type: none"> Conjugation, Transformation, Transduction, Complementation test in Bacteriophage 		
Unit7: Transposable Genetic Elements		4
<ol style="list-style-type: none"> Transposons in bacteria, Ac-Ds elements in maize and P elements in <i>Drosophila</i>, LINE, SINE, Alu elements in humans 		

Suggested Readings:

- Brooker, R.J. (2012). Genetics Analysis and Principles. 4th Edn. McGraw Hill.
- Dale, J.W. and Park, S. F. (2004). Molecular Genetics of Bacteria. 4 th Edn. John Wiley.
- Dudek, E.W. (2013). BRS Genetics. Lippincott, Walker and Wilson
- Jorde, Carey and Bamshad (2010). Medical Genetics. 4th Edn. Mosby.
- Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C. and Carroll, S.B. (2010). Introduction to Genetic Analysis WH Freeman.
- Hartl D.L. and Jones, E. W. (1998). Genetics: Principles and Analysis. 4th Edn. Jones and Barlett
- Hartwell, Hood, Goldberg, Reynolds and Sikver (2011). Genetics: From Genes to Genome. 4th Edn. McGraw Hill.
- Hyde, D. (2009). Introduction to Genetic Principle. McGraw Hill.
- Klug, W.S., Cummings, M.R., Spencer, C.A. (2012). Concepts of Genetics. X Edition. Benjamin Cummings

10. Pierce, B.A. (2013). Genetics Essentials: Concepts and Connections. 2nd Edn. Freeman W.H.
11. Russell, P.J. (2009). Genetics-A Molecular Approach. III Edition. Benjamin Cummings
12. Snustad, D.P., Simmons, M.J. (2009). Principles of Genetics. V Edition. John Wiley and Sons Inc
13. Tamarin, R.F (1998). Principles of Genetics. William C Brown Pub
14. Verma PS, Agarwal VK (2016). Genetics, 9th edition. S. Chand and Company Pvt. Ltd

3.24. Core P12–Genetics Lab

Genetics	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Chi-square analyses 2. Problems of linkage maps on <i>Drosophila</i> 3. Identification of chromosomal aberration in <i>Drosophila</i> (inversion, ring chromosome, paracentric inversion) from photograph 4. Study of human karyotype, normal and abnormal (Down, Klinefelter, Turner's, Cri-du-Chat) from photograph 5. Pedigree analysis of some human inherited traits (X-linked dominant, X-linked recessive, autosomal dominant, autosomal recessive, Y-linked) 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1 and 5	----- (6 X 1) = 06
One question from Item No. 2	----- (6X 1) = 06
Identification any three from Item No. 3 and 4	(2 X 3) = 06
Laboratory Note Book -----	= 02

3.25. Core T13- Developmental Biology

Credits : 6

Lectures: 50

Developmental Biology	4 Credits	Class
Unit1:Introduction		2
Basicconcepts:PhasesofDevelopment,Cellcellinteraction,Differentiationandgrowth,Differential gene expression		
Unit2:Early Embryonic Development		20
<ol style="list-style-type: none"> 1. Gametogenesis, Spermatogenesis, Oogenesis; 2. Types of eggs, Egg membranes; 3. Fertilization(External and Internal): Changes in gametes, Blocks to polyspermy; 4. Planes and patterns of cleavage; 5. Types of Blastula; Fate maps(including Techniques); 6. Early development of frog and chick up to gastrulation; 7. Embryonic induction and organizers 		
Unit3:Late Embryonic Development		8
<ol style="list-style-type: none"> 1. Fate of Germ Layers; 2. Extra-embryonic membranes in birds; 3. Implantation of embryo in humans, 4. Placenta(Structure, types and functions of placenta) 		
Unit4:PostEmbryonicDevelopment		12
<ol style="list-style-type: none"> 1. Development of brain and Eye in Vertebrate 2. Regeneration: Modes of regeneration, epimorphosis, morphallaxis and compensatory regeneration (with one example each) 		
Unit5:Implications of Developmental Biology		8
<ol style="list-style-type: none"> 1. Teratogenesis:Teratogenicagentsandtheireffectsonembryonicdevelopment; 2. In vitro fertilization, 3. Stem cell(ESC), 4. Amniocentesis 		

Reference Books

1. Carlson, B.M. (2014). Human Embryology and Developmental Biology. 5th Edn. Elsevier.
2. Carlson, B.M. (2014). Patten's Embryology.
3. Dudek, R.W. And Fix, J.D. (2013). BRS Embryology. 3rd Edn. Lippincott Williams Wilkins
4. De Jonge, C.J. and Barratt, C.L. R. (2006). The Sperma cell. Cambridge Univ Press.
5. Gilbert, S. F. (2010). Developmental Biology, IX Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts ,USA
6. Slack JMW (2006). Essential Developmental Biology. 2nd Edn. Blackwell Pub.
7. Schoenwolf, G.C., Bleyl, S.B., Brauer, P.R. and Francis-West, P.H. (2009). Ladesn's Human Embryology. 4th Edn. Elsevier
8. Verma and Agarwal. Developmental Biology. S. Chand Pub. New Delhi.
9. Wolpert, L. (2002). Principles of Development. 2nd Edn. Oxford Univ. Press

3.26. Core P13–Developmental Biology Lab

Developmental Biology	2 Credits												
List of Practical													
<ol style="list-style-type: none"> 1. Identification of whole mounts of developmental stages of chick through permanent slides: Primitive streak (13 to 18 hours), 21-33h, 36-48h and 72-96 hours of incubation (Hamilton and Hamburger stages) 2. Study of the developmental stages and lifecycle of <i>Drosophila</i> from stock culture 3. Study and identification of different sections of placenta (through photo micrograph/slides) 4. Project report on <i>Drosophila</i> culture/chick embryo development 													
Full Marks: 20													
<p>Examination Pattern:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">One question from Item No. 2</td> <td style="width: 20%; text-align: center;">-----</td> <td style="width: 20%; text-align: right;">(6 X 1) = 06</td> </tr> <tr> <td>Identification any four from Item No.1 and 3</td> <td style="text-align: center;">-----</td> <td style="text-align: right;">(2 X 4) = 08</td> </tr> <tr> <td>Project report</td> <td style="text-align: center;">-----</td> <td style="text-align: right;">= 04</td> </tr> <tr> <td>Laboratory Note Book</td> <td style="text-align: center;">-----</td> <td style="text-align: right;">= 02</td> </tr> </table>		One question from Item No. 2	-----	(6 X 1) = 06	Identification any four from Item No.1 and 3	-----	(2 X 4) = 08	Project report	-----	= 04	Laboratory Note Book	-----	= 02
One question from Item No. 2	-----	(6 X 1) = 06											
Identification any four from Item No.1 and 3	-----	(2 X 4) = 08											
Project report	-----	= 04											
Laboratory Note Book	-----	= 02											

3.27. Core T14–Evolutionary Biology

Credits : 6

Lectures: 50

Evolutionary Biology	4 Credits	Class
Unit1		5
Life's Beginnings: Chemogeny, RNA world, Biogeny, Origin of photosynthesis, Evolution of eukaryotes		
Unit2		5
Historical review of Evolutionary concepts, Lamarckism, Darwinism and Neo Darwinism		
Unit3		6
1. Geological time scale, 2. Fossil records of Hominids (from <i>Australopithecus</i> to <i>Homo sapiens</i>), evolution of horse 3. Neutral theory of molecular evolution, Molecular clock		
Unit4		5
Sources of variations: Heritable variations and the its role in evolution		
Unit5		12
1. Population genetics: Hardy-Weinberg Law (statement and derivation of equation, application of law to biallelic Population); 2. Evolutionary forces upsetting H-W equilibrium; Natural selection (concept of fitness, types of selection, selection coefficient, mode of selection heterozygous superiority). 3. Genetic Drift mechanism (founder's effect, bottleneck phenomenon) Role of Migration and Mutation in changing allele frequencies.		
Unit6		6
1. Species concept, 2. Isolating mechanisms, modes of speciation 3. Adaptive radiation/macroevolution (exemplified by Galapagos finches)		
Unit 7		2
Extinctions, Back ground and mass extinctions (causes and effects), detailed example of K–T extinction		
Unit8		6
Origin and Evolution of Man, Unique Hominin characteristics contrasted with primate characteristic Molecular analysis of human origin		
Unit9		3
Phylogenetic trees, Construction & interpretation of Phylogenetic tree using parsimony, Convergent& Divergent evolution.		

Suggested Reading

1. Barton, N.H., Birggs, D.E.G., Elsen, J.A. Goldstein, D.B. and Patel, N.H. (2007). Evolution. CSHL Press
2. Bergstorm, C.T. And Dujatkin, L.A. (2012). Evolution. 1st Edn. W.W. Norton and Co.
3. Dobzhansky T., Ayala, F.J., Stebbins, J.L. & Valentine, J.W. (1977). Evolution. Surajeet Pub., N.Delhi
4. Freeman, S., Herron, J. C. (2016). Evolutionary Analysis. Pearson Education Limited, Noida, India.
5. Futuyama, D.J. (1997). Evolutionary Biology. 3rd Edn. Sinauer Associates.
6. Futuyama, D.J. (2005). Evolution. Sinauer Associates.
7. Gillespie, J.H. (1998). Population Genetics: a Concise Guide. John Hopkins Univ Press.
8. Hall, B.K. and Hallgrimson, B. (2008). Stirckberger's Evolution. 4th Edn. Jones and Barlett.
9. Kardong, K. (2004). An Introduction to Biological Evolution. McGraw Hill.
10. Mitchell, T.N. (). Chemical Evolution and the Origin of Life. Springer.
11. Page, R.D.M. and Holmes E.C. (1998). Molecular Evolution: A Phylogenetic Approach. Blackwell Sc
12. Ridley, M. (1996). Evolution. 2nd Edn. Blackwell Science.
13. Scientific American Special Issue (2006). Becoming Human: Evolution and the rise of intelligence.

14. Smith, J.M. (1998). Evolutionary Genetics. 2nd Edn. Oxford Univ Press.
 15. Volpe, E.P. and Rossenbaum, P.A. (1999). Evolution. McGraw Hill.

3.28. Core P14–Evolutionary Biology Lab

Evolutionary Biology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Study of fossils from models/pictures 2. Study of homology and analogy from suitable specimens 3. Study and verification of Hardy-Weinberg Law by chi-square analysis 4. Graphical representation and interpretation of data of height /weight of a sample of 100 humans in relation to the age and sex. 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 3	----- (8 X 1) = 08
One question from Item No. 4	----- (6X 1) = 06
Identification any two from Item No. 1 and 2	(2 X 2) = 04
Laboratory Note Book -----	= 02

4. Department Specific Electives Subjects Syllabus

4.1. DSE T1- Animal Biotechnology

Credits : 6

Lectures: 50

Animal Biotechnology	4 Credits	Class
Unit1:Introduction		5
1. Organization of prokaryotic and eukaryotic genome, 2. Concept of genomics		
Unit2:MolecularTechniquesinGene manipulation		23
1. Cloning vectors: Plasmids, Cosmids, Phagemids, Lambda Bacteriophage, M13, BAC, YAC, MAC and Expression vectors (characteristics). 2. Restriction enzymes: Nomenclature, detailed study of Type II. 3. Transformation techniques: Calcium chloride method and electroporation. 4. Construction of genomic and cDNA libraries and screening by colony and plaque hybridization 5. Southern, Northern and Western blotting 6. DNA sequencing: Sanger method 7. Polymerase Chain Reaction, DNA Fingerprinting and DNA microarray		
Unit3:Genetically Modified Organisms		12
1. Production of cloned and transgenic animals: Nuclear Transplantation, Retroviral Method, DNA microinjection. 2. Applications of transgenic animals: Production of pharmaceuticals, production of donor organs, knockout mice.		
Unit4:CultureTechniquesand Applications		10
1. Animal cell culture, 2. Expressing cloned genes in mammalian cells, 3. Molecular diagnosis of genetic diseases(Cystic fibrosis, Sickle cell anaemia)		

Reference Books

1. Brown, T.A. (1998). Molecular Biology Lab fax II: Gene Cloning and DNA Analysis. II Edition, Academic Press, California, USA.
2. Butler, J.M. (2010). Fundamentals of Forensic DNA Typing. Academic Press.
3. Glick, B.R. and Pasternak, J.J. (2009). Molecular Biotechnology - Principles and Applications of Recombinant DNA. IV Edition, ASM press, Washington, USA.
4. Harisha, S. (2007). Biotechnology Procedures and Experiments Handbook. Infinity Science Press. New Delhi.
5. Mosier, N.S. And Ladisch, M.R. (2009). Modern Biotechnology. John Wiley.
6. Primrose, and Twyman. Principles of Gene Manipulation and Genomics. 7th Edn.
7. Singh, B.D. Biotechnology. Kalyani Pub. New Delhi.
8. Weaver.MolecularBiology.5thedition.

4.2. DSE P1 –Animal Biotechnology Lab

Animal Biotechnology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Construction of linear restriction map from the data provided. 2. Calculation of transformation efficiency from the data provided. 3. Study and identification of following techniques through photographs <ol style="list-style-type: none"> a. Southern Blotting b. Northern Blotting c. Western Blotting d. DNA Sequencing (Sanger's Method) e. PCR f. DNA fingerprinting 4. Project report on animal cell culture 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1,	----- (6 X 1) = 06
One question from Item No. 2	----- (6X 1) = 06
Identification of two techniques	----- (2 X 2) = 04
Project Report -----	= 02
Laboratory Note Book -----	= 02

4.3. DSE T2 Microbiology

Credits : 6

Lectures: 50

Microbiology	4 Credits	Class
Unit1:Introduction to Microbiology		4
Historical perspective of Microbiology, Prokaryotic pathogens, Eukaryotic pathogens		
Unit2: Bacterial taxonomy		8
Principles and modern approaches of bacterial taxonomy. Basic idea about Hackel and Whittaker's kingdom concept and domain concept of Carl Woese		
Unit3:Morphology of Bacteria and Virus		10
Cell wall (Structure of peptidoglycan), Cell envelope (Cell membrane, Differences between gram- positive and gram-negative species, External capsule and glycocalyx, Plasmids and episomes. Nuclear material, Bacterial Chromosome (Fundamental differences with eukaryotic chromosome). Reserve materials (carbon and phosphate reserve, cyanophycin), Cytoplasmic inclusions (Chlorosome, magnetosome, carboxysome, gasvesicles, ribosome). Structural organization of viruses, Prions and viroids		
Unit4: Normal flora		4
Distribution of normal flora in the body: Skin, eye, mouth, intestinal tract, urino-genital tract, Beneficial functions of normal flora. Harmful effects of normal flora		
Unit5: Pathogenicity of Microorganisms		10
Bacterial pathogenesis: Entry to the host, Adherence to host cells, Invasiveness, Bacterial toxins: Exotoxins, Endotoxins, Antigenic switching. Viral Pathogenesis: Cellular level(Cell death, Transformation, Cell fusion, Cytopathic effect).Initial infections: Routes of entry and dissemination to secondary sites, Typical secondary sites of localization, Virus shedding and mode of transmission; Factors involved intermination of acute infection		
Unit6: Infection of pathogens to human populations		2
Communicable, Non-communicable, Endemic, Epidemic, Pandemic and Sporadic		
Unit7: Diagnostic Microbiology and Bacteria culture		4
Koch's postulates, Sensitivity and specificity of test results, Principles and applications: Simple staining, Gram-staining, Acid-fast staining, Collection of specimens, Growth requirements and Growth factors, Oxygen requirement. Culture Media: Simple media, Complex media, Selective media and Enriched media		
Unit8: Genetic recombination in bacteria		4
Transformation, Conjugation-F+, F-, Hfr & F' strain, Transduction, Generalized &specialized types.		
Unit9: Microbial Diseases		4
Name of pathogen, symptoms, pathogenesis, mode of action &preventive measures of following diseases: Bacterial (Polio, Typhoid, Staphylococcal Food Poisoning), Viral(Dengue, AIDS)		

Suggested Readings:

- Alexander, M. (1977).Introduction to Soil Microbiology. John Wiley and Sons, New York.
- Atlas, R. M. and Bartha, R. (1997). Microbial Ecology: Fundamentals and Applications, 4th ed.
- Benjamin/Cummings. Black, J. G. (2011).Microbiology:PrinciplesandExplorations.8th ed. John Wiley and Sons, New York.
- Campbell, R. (1983).MicrobialEcology.2nded.Oxford, Blackwell.

5. Pinehuk, G. (2003). Schaum's outline Series: Theory and Problems of Immunology. McGraw-Hill.
6. Prescott, L.M., Harley, J. P. and Klein, D.A. (2011). Microbiology, 8th ed. McGraw Hill, New York.
7. Schlegel, H.G. (1993). General Microbiology. 7th ed. Cambridge University Press.
8. Slonczewski, J.L. and Foster, J.W. (2009). Microbiology-An Evolving Science. Norton.
9. Stanier, R.Y., Adelberg, E.A. and Ingraham, J. L. (1986). General Microbiology. 5th ed. Macmillan
10. Talaro, K. and Talaro, A. (1999). Foundations in Microbiology. 3rd ed. Dubuque, McGraw-Hill.
11. Tortora, G.J., Funke, B. R., and Case. C.L. (2008). Microbiology. An Introduction. 9th ed. Benjamin / Cummings Publishing. Menlo Park Calif.
12. Voyleys, B.A. (2002). The Biology of Viruses. 2nd Edn. McGraw Hill.

4.4. DSE P2- Microbiology Lab

Microbiology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Simple staining and Gram's staining of bacteria. 2. Preparation of liquid media (broth) and solid media for routine cultivation of bacteria. 3. Preparation of slant and stab. 4. Pure culture techniques: Spread plate, Pour plate and Streak plate 5. Biochemical test for characterization: Catalase, Nitrate-reduction, Indole production, Methyl Red and Voges-Proskauer Test. 6. Microbiological examination of milk (Methylene blue reductase test), Sugar fermentation test 7. Submission of project report on water or soil bacteria 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1,2,3 and 4	----- (6 X 1) = 06
One question from Item No. 5	----- (5X 1) = 05
One question from Item No. 6	----- (5X 1) = 05
Project Report -----	= 02
Laboratory Note Book -----	= 02

4.5. DSE T3- Parasitology

Credits : 6

Lectures: 50

Parasitology	4 Credits	Class
Unit1: Introduction to Parasitology		2
<ol style="list-style-type: none"> 1. Brief introduction of Parasitism, Parasite, Parasitoid and Vectors (mechanical and biological vector) 2. Host parasite relationship 		
Unit2: Parasitic Protists		12

Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Giardia intestinalis</i> , <i>Trypanosoma gambiense</i> , <i>Leishmania donovani</i>	
Unit3: Parasitic Platyhelminthes	12
Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Schistosoma haematobium</i> , <i>Taenia sajinata</i>	
Unit4:ParasiticNematodes	12
<ol style="list-style-type: none"> 1. Study of Morphology, Life Cycle, Prevalence, Epidemiology, Pathogenicity, Diagnosis, Prophylaxis and Treatment of <i>Ascaris lumbricoides</i>, <i>Ancylostoma duodenale</i>, <i>Wuchereria bancrofti</i> and <i>Trichinella spiralis</i>, <i>Brugiamalayi</i>; 2. Nematode plant interaction ; Gall formation 	
Unit5: Parasitic Arthropods	10
Biology, importance and control of ticks (Soft tick <i>Ornithodoros</i> , Hard tick <i>Ixodes</i>),mites (<i>Sarcoptes</i>), Lice (<i>Pediculus</i>),Flea (<i>Xenopsylla</i>) and Bug (<i>Cimex</i>)	
Unit5: Parasite Vertebrates	2
Brief account of Cookicutter Shark, Hood Mocking bird, Vampire bat	

Suggested Reading

1. Arora,D.RandArora,B.(2001)MedicalParasitology.IIEdition.CBSPublicationsandDistributors
2. Ahmed, N., Dawson, M., Smith, C.and Wood, Ed. (2007). Biology of Fish Disease. Taylor and Francis Group
3. Bogitsch, B.J., Carter, C. E. and Oeltmann T.N. (2013). Human Parasitology. 4th Edn. Elsevier.
4. Bose M (2017).Parasitoses and zoonoses. New Central Book Agency. 1:3-808
5. Chatterjee, K. D. (2009).Parasitology: Protozoology and Helminthology. XIII Edition, CBS Publishers & Distributors (P) Ltd.
6. Chakraborty P (2016). Textbook of Medical parasitology, 3rd edition. New Central Book Agency
7. Gunn, A. and Pitt, S.J. (2012). Parasitology: an Integrated Approach. Wiley Blackwell.
8. John, D.T. and W.A. Petri (2006). Markell and Voge's Medical Parasitology. 9th Edn. Elsevier.
9. Meyer, Olsen &Schmidt's Essentials of Parasitology, Murray, D. Dailey, W.C. Brown Publishers
10. Marr, J.J., Nilsen, T.W. and Komuniecki, R.W. (2003). Molecular Medical Parasitology. 2nd Edn. Academic Press
11. Muller, R. and Wakelin, D. (2002). Worms and Human Disease. 2nd Edn. CAB International Pub.
12. Noble, E. R. and G.A.Noble (1982) Parasitology: The biology of animal parasites. V th Edition, Lea &Febiger
13. Paniker, C.K.J., Ghosh, S. [Ed} (2013). Paniker's Text Book of Medical Parasitology. Jaypee, New Delhi.
14. Parija,S.C.Textbookofmedicalparasitology,protozoology&helminthology(Textand color Atlas),II Edition, All India Publishers & Distributers, Medical Books Publishers, Chennai, Delhi
15. RatanLalIchhpujaniandRajeshBhatia.MedicalParasitology,IIIEdition,JaypeeBrothersMedicalPublishers(P)Ltd.,NewDelhi
16. Roberts, L.S and Janovy, J. (2009). Smith & Robert's Foundation of Parasitology. 8th. Edn. McGraw Hill

4.6. DSE P3 –Parasitology Lab

Parasitology	2 Credits
List of Practicals	

1. Identification of life stages of *Giardia lamblia* and *Leishmania donovani* through permanent slides/microphotographs
2. Identification of adult and life stages of *Schistosoma haematobium*, *Taeniasolium* through permanent slides/microphotographs
3. Identification of adult and life stages of *Ancylostoma duodenale*, *Wuchereria bancrofti* and *Trichinella spiralis* through permanent slides/microphotographs
4. Identification of plant parasitic root knot nematode, *Meloidogyne* from the soil sample
5. Identification of *Pediculus humanus*, *Xenopsyll acheopis* and *Cimex lectularius* through permanent slides/photographs
6. Isolation and fixation of nematode/cestode parasites from the intestine of hen[Intestine can be procured from poultry/market as a by-product]
7. Submission of a project report on any parasite of vertebrates

Full Marks: 20

Examination Pattern:

One question from Item No. 6	-----	(8 X 1) = 08
Identification of four specimens from item no.1, 2, 3 and 5	----	(2 X 4) = 08
Project Report	-----	= 02
Laboratory Note Book	-----	= 02

4.7. DSE T4-Biology of Insects

Credits : 6

Lectures: 50

Biology of Insects	4 Credits	Class
Unit1:Introduction		2
1. General Features of Insects 2. Distribution and Success of Insects on the Earth		
Unit2:Insect Taxonomy		4
Basis of insect classification; Classification of insects up to orders (according to Brusca and Brusca, 2016)		
Unit3:General Morphology of Insects		6
1. External Features; Head–Eyes, Types of antennae, Mouth parts w.r.t .feeding habits 2. Thorax: Wings and wing articulation, Types of Legs adapted to diverse habitat 3. Abdominal appendages and genitalia		
Unit4:Physiology of Insects		20
1. Structure and physiology of Insect body systems - Integumentary, digestive, excretory, circulatory, respiratory, endocrine, reproductive, and nervous system 2. Photoreceptors: Types, Structure and Function 3. Metamorphosis: Types and Neuroendocrine control of metamorphosis		
Unit5:InsectSociety		6
1. Social insects with special reference to termites 2. Trophallaxis in social insects such as ants, termites and bees		
Unit6:Insect Plant Interaction		4
1. Theory of co-evolution, role of allelochemicals in host-plant mediation 2. Host-plant selection by phytophagous insects, 3. Major insect pests in paddy		
Unit7:Insects as Vectors		8
1. Insects as mechanical and biological vectors, 2. Brief discussion on houseflies and mosquitoes as important vectors		

Suggested Readings:

1. Bernays, E.A. and Chapman, R.F. (). Host Selection by Phytophagous insects. Chapman and Hall, New York, USA
2. Bigness, Roisin and Lo (2011). Biology of Termites: A Modern Synthesis. Springer.
3. Borror, D.J. Triplehorn, C.A. and Johnson N.F. Introduction to the Study of insects. Saunders College Publication, USA
4. Chandra, G. (2000). Mosquito. Sribhumi Pub. Co., Kolkata.
5. Chapman, R.F. The Insects: Structure and function. Cambridge University Press, UK
6. Gullan, P.J. and Cranston, P.S. (). The Insects: An Outline of Entomology. Wiley Blackwell.
7. Hati, A.K. (2010). Medical Entomology. Allied Book Agency, Kolkata.
8. Imms, A.D., A General TextBook of Entomology. Chapman & Hall, UK
9. Klowden, M.J. Physiological system in Insects. Academic Press, USA
10. Lehane, M.J. (2005). The Biology of Blood Sucking Insects. 2nd Edn. Cambridge Univ Press.
11. Nation, J.L. Insect Physiology and Biochemistry. CRC Press, USA
12. Snodgrass, R.E. Principles of Insect Morphology. Cornell Univ. Press, USA
13. Wilson, E.O. The Insect Societies. Harvard Univ. Press, UK

Note: Classification to be followed from Brusca and Brusca (20)

4.8. DSE P4 –Biology of Insects Lab

Biology of Insecta	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Study of life cycle of Mosquito 2. Mounting and identification of different kinds of antennae, legs and mouth parts of insects 3. Mounting of insect wings, spiracles and genitalia of any insects 4. Methodology of collection, preservation and identification of insects. 5. Morphological studies of various castes of <i>Apis</i>, <i>Camponotus</i>, <i>Odontotermes</i> 6. Identification of major insect pests of paddy and their damages (<i>Nilaparvata</i>, <i>Scirpophaga</i>, <i>Hispa</i>) 7. Identification of Mulberry silk moth as beneficial insect 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 2	----- (6X 1) = 06
One question from Item No. 3	----- (6X 1) = 06
Identification of two specimens from item no.5, 6 and 7	----- (2 X 2) = 04
Submission of life cycle of mosquito	----- = 02
Laboratory Note Book	----- = 02

4.9. DSE T5– Animal Behaviour

Credits : 6

Lectures: 50

Animal Behaviour	4 Credits	Class
Unit1:IntroductiontoAnimal Behaviour		5
<ol style="list-style-type: none"> 1. Origin and history of Ethology, Brief profiles of Karl Von Frish, Ivan Pavlov, Konrad Lorenz, NikoTinbergen 2. Proximate and ultimate causes of behaviour, Methods and recording of a behaviour 		
Unit2:Patterns of Behaviour		6
<ol style="list-style-type: none"> 1. Stereotyped Behaviours (Orientation, Reflexes); 2. Individual Behavioural patterns; Instinct vs. Learnt Behaviour; 3. Associative learning, classical and operant conditioning, Habituation, Imprinting. 		
Unit3: Social and Sexual Behaviour		15
<ol style="list-style-type: none"> 1. Social Behaviour: Concept of Society; Communication and the senses 2. Altruism; Insects' society with Honeybee as example; Foraging in honeybee and advantages of the waggle dance. 3. Sexual Behaviour: Asymmetry of sex, Sexual dimorphism, Mate choice, Intra-sexual selection (male rivalry), Inter-sexual selection (female choice), Sexual conflict in parental care. 		
Unit4:Introductionto Chronobiology		10
<ol style="list-style-type: none"> 1. Historical developments in chronobiology; 2. Biological oscillation :the concept of Average, amplitude, phase and period 3. Adaptive significance of biological clocks 		
Unit5: Biological Rhythm		14
<ol style="list-style-type: none"> 1. Types and characteristics of biological rhythms :Short- and Long- term rhythms; Circadian rhythms; Tidal rhythms and Lunar rhythms; 2. Concept of synchronization and masking; Photic and non-photic zeitgebers; Circannual rhythms; 3. Photoperiod and regulation of seasonal reproduction of vertebrates; 4. Role of melatonin. 		

Reference Books

1. Alcock, J. (2001). Animal Behaviour: An Evolutionary Approach. , Sinauer Associate Inc., USA.
2. Chattopadhyay, S. (2012). Life: Evolution, Adaptation, Ethology. 3rd Edn. Books and Allied, Kolkata.
3. Dujatkin, L.A. (2014). Principles of Animal Behaviour. 3rd Edn. W.W.Norton and Co.
4. Dunlap, J.C., Loros, J.J. and De Coursey, J.P. (2004). Chronobiology: Biological Time keeping. Sinauer Associates, Inc. Publishers, Sunderland, MA, USA
5. Kumar, V. (2002). Biological Rhythms. Narosa Publishing House, New Delhi.
6. Mandal, F. (2010). A Text Book of Animal Behaviour. Pentice Hall India.
7. Mathur, R. (2005). Animal Behaviour. Rastogi Pub. Meerut.
8. Refinetti, R. (2000). Circadian Physiology. CRC Press, Boca Raton.
9. Ruhela, A. and Sinha, M. (2010). Recent Trends in Animal Behaviour. Oxford Book Co. Jaipur.
10. Saunders, D. S. C. G. H. Steel, X., Afopoulou (ed.) R. D. Lewis. (2002). Insect Clocks. 3rd Ed Baren and Noble Inc. New York, USA
11. Sherman, P. W. and John Alcock, Exploring Animal Behaviour, Sinauer Associate Inc., Massachusetts, USA.

4.10. DSE P5 –Animal Behaviour Lab

Animal Behaviour	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Study of nests and nesting habits of the birds and social insects. 2. Study of the behavioral responses of woodlice to dry and humid conditions. 3. Study of geotaxis behaviour in earthworm. 4. Study of photo taxis behaviour in insect larvae. 5. Visit to Forest/Wildlife Sanctuary/Biodiversity Park/Zoological Park to study behavioural activities of animals and prepare a short report. 6. Study and actogram construction of locomotor activity of suitable animal models. 7. Study of circadian functions in humans (daily eating, sleep and temperature patterns). 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1, 2, 3 and 4	----- (5X 1) = 05
One question from Item No. 6	----- (5X 1) = 05
One question from Item No. 7	----- (5X 1) = 05
Excursion Report -----	= 03
Laboratory Note Book -----	= 02

4.11. DSE T6–Wild Life Conservation

Credits : 6

Lectures: 50

Wild Life Conservation and Management	4 Credits	Class
Unit1:Introduction to Wild Life		6
Values of wildlife-positive and negative; Conservation ethics; Importance of conservation; Causes of depletion; World conservation strategies.		
Unit2:Evaluation and management of wildlife		8
Habitat analysis, Physical parameters: Topography, Geology, Soil and water Biological Parameters: food, cover, forage, browse and cover estimation Standard evaluation procedures: remote sensing and GIS.		
Unit3: Management of habitats		6
<ol style="list-style-type: none"> 1. Setting back succession; Grazing logging; 2. Mechanical treatment; Advancing the successional process; Cover construction; Preservation of general genetic diversity 3. Restoration of degraded habitats 		
Unit4: Population estimation		12
<ol style="list-style-type: none"> 1. Population density, Natality, Birth-rate, Mortality, fertility schedules and sex ratio computation; 2. Faecal analysis of ungulates and carnivores; 3. Pug marks and census method. 		
Unit5:Aimsandobjectivesofwildlifeconservation		6
<ol style="list-style-type: none"> 1. Wild life conservation in India–through ages; different approaches of wildlife conservation; 2. Modes of conservation ;in- situ conservation and ex-situ conservation 3. Necessity for wildlife conservation 		
Unit6:Managementplanningof wildlife in protected areas		5

5. Estimation of carrying capacity; 6. Eco tourism/ wild life tourism in forests; 7. Concept of climax persistence; 8. Ecology of perturbence.	
Unit7:Manand Wildlife	3
Causes and consequences of human-wildlife conflicts; mitigation of conflict – an overview; Management of excess population	
Unit8:Protected areas	4
1. National parks & sanctuaries, Community reserve; Important features of protected areas in India; 2. Tiger conservation- Tiger reserves in India; Management challenges in Tiger reserve.	

Suggested Readings:

1. Caughley, G., and Sinclair, A.R.E. (1994). Wildlife Ecology and Management. Blackwell Science.
2. Woodroffe R, Thirgood, S. and Rabinowitz, A. (2005). People and Wildlife, Conflictor Co-existence Cambridge University.
3. Bookhout, T. A. (1996). Research and Management Techniques for Wild life and Habitats, 5th edition. The Wildlife Society, Allen Press.
4. Sutherland, W.J. (2000). The Conservation Handbook: Research, Management and Policy. Blackwell Sciences
5. Sodhi, N.S. and Ehlich, P.R. (2010). Conservation Biology for All. Oxford university Press

4.12. DSE P6–Wild Life Conservation Lab

Wild Life Conservation and Management 2 Credits	
List of Practical	
<ol style="list-style-type: none">1. Identification of flora, mammalian fauna, avian fauna, herpeto-fauna2. Demonstration of basic equipment needed in wild life studies use, care and maintenance (Compass, Binoculars, Spotting scope, Range Finders, Global Positioning System, Various types of Cameras and lenses)3. Familiarization and study of animal evidences in the field; Identification of animals through pug marks, hoofmarks, scats, pellet groups, nest, antlers, etc.4. Demonstration of different field techniques for flora and fauna5. Ten tree method, Circular, Square & rectangular plots, methods for ground cover assessment, Tree canopy cover assessment, Shrub cover assessment.6. Trail/transect monitoring for abundance and diversity estimation of mammals and bird (direct and indirect evidences)	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 5	----- (7 X 1) = 07
One question from Item No. 6	----- (7X 1) = 07
Identification of two specimens from item no. 3	----- (2 X 2) = 04
Laboratory Note Book -----	= 02

4.13. DSE T7-Endocrinology

Credits : 6

Lectures: 50

Endocrinology	4 Credits	Class
Unit1:Introductionto Endocrinology		4
<ol style="list-style-type: none"> 1. General idea of Endocrine systems, Classification, Characteristics and Transport of Hormones, 2. Neurosecretions and Neurohormones 		
Unit2:Epiphysis,Hypothalamo-hypophysial Axis		16
<ol style="list-style-type: none"> 1. Structure of pineal gland, Secretions and their functions in biological rhythms and reproduction. 2. Structure and functions of hypothalamus and Hypothalamic nuclei, Regulation of neuroendocrine glands, Feedback mechanisms 3. Structure of pituitary gland, Hormones and their functions, Hypothalamo- hypophysial portal system, Disorders of pituitary gland. 		
Unit3:Peripheral Endocrine Glands		16
<ol style="list-style-type: none"> 1. Structure, Hormones, Functions and Regulation of Thyroid gland, Parathyroid, Adrenal, Pancreas, Ovary and Testis 2. Hormones in homeostasis 3. Disorders of endocrine glands 		
Unit4:Regulation of Hormone Action		14
<ol style="list-style-type: none"> 1. Mechanism of action of steroidal, non-steroidal hormones with receptors 2. Bioassays of hormones using RIA &ELISA 3. Estrous cycle in rat and menstrual cycle in human 4. Multifaceted role of Vasopressin &Oxytocin. 5. Hormonal regulation of parturition. 		

Reference Books

1. Fox, T. Brooks, A. And Baidya, B. (2015). Endocrinology. JP Medical, London.
2. Gardner, D.G. And Shoback, D. (2011). Greenspan's Basic and Clinical Endocrinology. 9th Edn. McGraw Hill Lange.
3. Goodman, H.M. (2000). Basic Medical Endocrinology. 4th Edn. Academic Press.
4. Jameson, J.L. (2010). Harrison's Endocrinology. 2nd Edn. McGraw Hill.
5. Melmed, S. And Conn, P.M. (2005). Endocrinology: Basic and Clinical Principles. 2nd Edn. Humana Press.
6. Melmed, Polonsky, Larsen and Kronenberg (2016). William's Text Book of Endocrinology. 13th Edn. Elsevier.
7. Molina, P.E. (2013). Endocrine Physiology. 4th Edn. McGraw Hill Lange.
8. Neal, J.M. (2000). Basic Endocrinology; An Interactive Approach. Blackwell Science.
9. Norris, D.O. (2007). Vertebrate Endocrinology. 4th Edn. Elsevier Academic Press.
10. Strauss, J.F. and Barbieri, R.L. (2014). Yen & Jaffe's Reproductive Endocrinology. Elsevier Saunders

4.14. DSE P7 –Endocrinology Lab

Endocrinology	2 Credits
List of Practical	
<ol style="list-style-type: none"> 1. Dissect and display of Endocrine glands in laboratory bred rat. 2. Study of the permanent slides of all the endocrine glands (Thyroid, Adrenal, Pancreas, Testis and Ovary) 3. Tissue fixation, embedding in paraffin, microtomy and slide preparation of any endocrine gland 4. Demonstration of hormone assay through ELISA from available teaching kit 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 3	----- (7 X 1) = 07
One question from Item No. 1 and 4	----- (5X 1) = 05
Identification of two specimens from item no.2	----- (2 X 3) = 06
Laboratory Note Book -----	= 02

4.15. DSE T8-ReproductiveBiology

Credits : 6

Lectures: 50

Reproductive Biology	4 Credits	Class
Unit1:Reproductive Endocrinology		10
<ol style="list-style-type: none"> 1. Mechanism of action of steroids and glycoprotein hormones. 2. Hypothalamo–hypophyseal–gonadal axis ,regulation of gonadotrophin secretion in human (male and female) 3. Reproductive system: Development and differentiation of gonads, genital ducts and external genitalia 		
Unit2:Functional anatomy of male reproduction		14
<ol style="list-style-type: none"> 1. Histo-architechture of testis in human; Spermatogenesis; Kinetics and hormonal regulation; 2. Androgen synthesis and metabolism; 3. Accessory glands functions 		
Unit3:Functional anatomy of female reproduction		18
<ol style="list-style-type: none"> 1. Histoarchitechtureofovaryinhuman;Oogenesis;Kineticsandhormonalregulation;Steroidogenesis and secretion of ovarian hormones; 2. Reproductive cycles(human)and their regulation, fertilization; 3. Hormonal control of implantation; Hormonal regulation of gestation, 4. pregnancy diagnosis, foeto– maternal relationship; 5. Mechanism of parturition and its hormonal regulation; 6. Lactation and its regulation 		
Unit4:ReproductiveHealth		8
<ol style="list-style-type: none"> 1. Infertility in male and female: causes, diagnosis and management 2. Assisted Reproductive Technology: sex selection, sperm banks, frozen embryos, in vitro fertilization 3. Modern contraceptive technologies 		

Suggested Reading

1. Jones, R.E. and Lopez, K.N. (2014). Human Reproductive Biology. 4 th Edn. Elsevier.
2. Hatcher, R.A. et al. The Essentials of Contraceptive Technology. Population Information Programme.
3. Khurana, I (2012). Medical Physiology for undergraduate students. Elsevier.
4. Lewis, V. (2007). Reproductive endocrinology and Infertility. Landes Bioscience, USA.
5. Plant, T.M. And Zelenik, A.J. [Ed} (2015). Knobil and Neill's Physiology of Reproduction. 4th. Edn. Vol I. Elsevier.
6. Rizzo, D.C. (2010). Fundamentals of Anaomy and Physiology. 3rd Edn. Delmer.
7. Sembulingam and Sembulingam (2012) Essentials of Medical Physiology. 6th Edn. Jaypee Pub, New Delhi
8. Sherwood, L. (2013). Human Physiology from cells to systems. 8th Edn., Brooks & Cole
9. Shoupe, D. and Kjos, S.L. (2006). The Handbook Of Contraception. Humana Press.
10. Strauss, J.F. and Barbieri, R.L. (). Yen and Jaffe's Reproductive Endocrinology. 7th Edn. Elsevier.
11. Tortora, G.J. & Grabowski, S. (2006).Principles of Anatomy & Physiology. XI Edition John Wiley& sons.

4.16. DSE P8–Reproductive Biology Lab

Reproductive Biology	2 Credits
List of Practical's	
<ol style="list-style-type: none"> 1. Examination of vaginal smear from rats. 2. Tissue fixation, embedding in paraffin, microtomy and slide preparation of any endocrine gland 3. Examination of histological sections from photomicrographs/permanent slides of rat/human: testis, epididymis and accessory glands of male reproductive systems; Sections of ovary, fallopian tube, 	
Full Marks: 20	
Examination Pattern:	
One question from Item No. 1	----- (5 X 1) = 05
One question from Item No. 2	----- (7 X 1) = 07
Identification of two specimens from item no.4	----- (3 X 2) = 06
Laboratory Note Book -----	= 02

5. Skill Enhancement Course

5.1. SEC T1 –Apiculture

Credits : 2

Lectures: 25

Apiculture	2 Credits	Class
Unit1: Biology of Bees		2
1. History, Classification and Biology of Honey Bees 2. Social Organization of Bee Colony		
Unit2: Rearing of Bees		10
1. Artificial Beekeeping (Apiary), Beehives–Newton and Langstroth 2. Bee Pasturage 3. Selection of Bee Species for Apiculture 4. Bee Keeping Equipment 5. Methods of Extraction of Honey (Indigenous and Modern)		
Unit3: Diseases and Enemies		5
Bee Diseases and Enemies, Control and Preventive measures		
Unit4: Bee Economy		2
Products of Apiculture Industry and its Uses (Honey, Bees Wax, Propolis), Pollen etc		
Unit5: Entrepreneurship in Apiculture		6
Bee Keeping Industry–Recent Efforts, Modern Methods in employing artificial Beehives for cross pollination in horticultural gardens		

Reference Books

1. Cramp, D. (2012). The Complete Step by Step Book of Beekeeping. Anness Publishing.
2. Prost, P.J. (1962). Apiculture. Oxford and IBH, New Delhi.
3. Bisht D.S, Apiculture, ICAR Publication.
4. Singh S. Beekeeping in India, Indian council of Agricultural Research, New Delhi.

5.2. SEC T2-Aquarium Fish Keeping

Credits : 2

Lectures: 25

Aquarium Fish Keeping	2 Credits	Class
Unit1: Introduction to Aquarium Fish Keeping		2
The potential scope of Aquarium Fish Industry as a Cottage Industry, Exotic and Endemic species of Aquarium Fishes		
Unit2: Biology of Aquarium Fishes		10
Common characters and sexual dimorphism of Freshwater and Marine Aquarium fishes such as Guppy, Molly, Swordtail, Goldfish, Angel fish ,Bluemorph, Anemone fish and Butterfly fish		
Unit3:Food and feeding of Aquarium fishes		7
1. Use of live fish feed organisms. 2. Preparation and composition of formulated fish feeds, 3. Aquarium fish as larval predator		
Unit 4: Fish Transportation		3
Live fish transport- Fish handling, packing and forwarding techniques.		
Unit5: Maintenance of Aquarium		3
General Aquarium maintenance – budget for setting up an Aquarium Fish Farm as a Cottage Industry		

Suggested Readings:

1. Axelrod, H.R. (1967). Breeding aquarium Fishes. TFH Pub.
2. Jayashree, K.V. Thara Devi, C.S. & Arumugam, N. Home Aquarium & Ornamental fish Culture. Saras Pub.
3. Mahapatra, B.K. (2015). Ornamental Fish Breeding, Culture& Trade. CIFE.
4. Saxena, A. (Ed). 2003. Aquarium Management. Daya Pub.

5.3. SEC T3- Medical Diagnostic techniques

Credits : 2

Lectures: 25

Medical Diagnostic Techniques	2 Credits	Class
Unit1:Introductionto Medical Diagnostics and its Importance		2
Unit2:DiagnosticMethods Used for Analysis of Blood		7
1. Blood composition, 2. Preparation of blood smear and Differential Leucocyte Count (D.L.C) using Leishman's stain. 3. Platelet count using haemocytometer, 4. Erythrocyte Sedimentary Rate (E.S.R), 5. Packed Cell Volume (P.C.V.)		
Unit3:DiagnosticMethods Used for Urine Analysis		4
Urine Analysis: Physical characteristics; Abnormal constituents		
Unit4:Non-infectious Diseases		5
Causes, types, symptoms, complications ,diagnosis and prevention of Diabetes (Type I and Type II), Hypertension(Primaryandsecondary),TestingofbloodglucoseusingGlucometer/Kit		
Unit5:Infectious Diseases		3
1. Causes, types, symptoms, diagnosis and prevention of Tuberculosis and Hepatitis, Malarial parasite 2. Microscope based and ELISA based)		
Unit6: Clinical Biochemistry		1
1. LFT, 2. Lipid profiling		
Unit7:Clinical Microbiology		1
Antibiotic Sensitivity Test		
Unit8:Tumours		2
1. Types (Benign/Malignant), Detection and metastasis. 2. Medical imaging: X-Ray of Bone fracture, PET, MRI and CT scan (using photographs).		
Unit9: Visit to Pathological Laboratory and Submission of Project		

1. Prakash, G. (2012), Lab Manual on Blood Analysis and Medical Diagnostics, S. Chand and Co. Ltd.
2. Papadakis, M.A., McPhee, S.J. and Rabow, M.W. ed. (2016). Current Medical Diagnosis and Treatment McGraw Hill.

5.4. SEC T4–Sericulture

Credits : 2

Lectures: 25

Sericulture	2 Credits	Class
Unit1:Introduction		2
<ol style="list-style-type: none"> 1. Sericulture: Definition, history and present status; Silk route 2. Types of silkworms, Distribution and Races , Exotic and indigenous races Mulberry and non-mulberry Sericulture 		
Unit2: Biology of Silkworm		4
<ol style="list-style-type: none"> 1. Life cycle of <i>Bombyx mori</i> 2. Structure of silk gland and secretion of silk 		
Unit3:Rearing of Silk worms		10
<ol style="list-style-type: none"> 1. Selection of mulberry variety and establishment of mulberry garden 2. Rearing house and rearing appliances. Disinfectants: Formalin, bleaching powder, RKO 3. Silkworm rearing technology: Early age and Late age rearing 4. Types of mount ages 5. Spinning, harvesting and storage of cocoons 		
Unit4:Pests and Diseases		7
<ol style="list-style-type: none"> 1. Pests of silkworm :Uzify, dermestid beetles and vertebrates 2. Pathogenesis of silkworm diseases: Protozoan, viral, fungal and bacterial 3. Control and prevention of pests and diseases 		
Unit5:Entrepreneurshipin Sericulture		2
<ol style="list-style-type: none"> 1. Prospectus of Sericulture in India: Sericulture industry in different states, employment, potential in mulberry and non-mulberry sericulture 2. Visit to various sericulture centers. 		

Suggested Readings:

1. Manual on Sericulture; Food and Agriculture Organisation, Rome 1976
2. Handbook of Practical Sericulture: S.R. Ullal and M.N. Narasimhanna CSB, Bangalore
3. Silkworm Rearing and Disease of Silkworm, 1956, Ptd. By Director of Ptg., Stn. & Pub. Govt. Press, Bangalore
4. Appropriate Sericultural Techniques; Ed. M. S. Jolly, Director, CSR & TI, Mysore.
5. Handbook of Silkworm Rearing: Agriculture and Technical Manual-1, Fuzi Pub. Co. Ltd., Tokyo, Japan1972.
6. Manual of Silkworm Egg Production; M. N. Narasimhanna, CSB, Bangalore 1988.
7. Silkworm Rearing; Wupang—Chun and Chen Da-Chung, Pub. By FAO, Rome 1988.
8. A Guide for Bivoltine Sericulture; K. Sengupta, Director, CSR & TI, Mysore 1989.
9. Improved Method of Rearing Young age silkworm; S. Krishnaswamy, reprinted CSB, Bangalore, 1986.

6. General Elective [For Other Subject(s)]

6.1. GE T1 –Animal Diversity

Credits: 6

ANIMAL DIVERSITY (CREDITS 4)

THEORY	CLASS
Unit-1 Kingdom Protista General characters and classification up to classes; Locomotory Organelles and locomotion in Protozoa	4
Unit-2 Phylum Porifera General characters and classification up to classes; Canal System in <i>Sycon</i>	3
Unit-3 Phylum Cnidaria General characters and classification up to classes; Polymorphism in Hydrozoa	3
Unit-4 Phylum Platyhelminthes General characters and classification up to classes; Life history of <i>Taenia solium</i>	3
Unit-5 Phylum Nematoda General characters and classification up to classes; Life history of <i>Ascaris lumbricoides</i> and its parasitic adaptations	5
Unit-6 Phylum Annelida General characters and classification up to classes; Nephridia in Annelida	5
Unit 7 Phylum Arthropoda General characters and classification up to classes; Vision in Arthropoda, Metamorphosis in Insects	5
Unit-8 Phylum Mollusca General characters and classification up to classes; Respiration in <i>Pila</i>	4
Unit-9 Phylum Echinodermata General characters and classification up to classes; Water-vascular system in <i>Asterias</i>	4
Unit-10 Protochordates General features; Feeding in <i>Branchiostoma</i>	2
Unit-11 Agnatha General features of Agnatha and classification of cyclostomes up to classes	2
Unit-12 Pisces General features and Classification up to orders; Osmoregulation in Fishes	4
Unit-13 Amphibia General features and Classification up to orders; Metamorphosis in Toad	4
Unit-14 Reptiles General features and Classification up to orders; Poisonous and non-poisonous snakes, Biting mechanism in snakes	4
Unit-15 Aves General features and Classification up to orders; Flight adaptations in birds	5
Unit-17 Mammals Classification up to orders; Cranial nerves in <i>Cavia</i>	5

Note: Classification of Unit 1-9 to be followed from “Ruppert & Barnes, R.D. (1994), *Invertebrate Zoology*, VI Edition

Suggested Readings [Consult Latest Editions]

1. Arora, M.P. *Chordata I. Himalaya Pub House*
2. Barnes, R. D. & Ruppert, E. E., (1994). *Invertebrate Zoology*. 6thEd. Brooks Cole.
3. Brusca, R. C. & Brusca, G. J. (2002). *Invertebrates*. 4th Ed. Sinauer Associates.
4. Chatterjee, A & Chakraborty C.S. *Approach to a Text Book of Zoology Nirmala Library, Kolkata.*

5. Dhama P.S and J.K. Dhama – Invertebrate Zoology – S. Chand and Co.
6. Jordan, E. L. & Verma, P. S. (2006). Invertebrate Zoology & Chordate Zoology.. S. Chand & Company Ltd. New Delhi.
7. Kardong, K.V. (2002). Vertebrates: Comparative anatomy, function and evolution. Tata McGrawHill.
8. Kent, G. C. & Carr, R.K. (2001). Comparative anatomy of the Vertebrates. 9th Ed. McGrawHill.
9. Kotpal, R.L., 1988 – 1992. (All Series) Protozoa, Porifera, Coelenterata, Annelida, Arthropoda, Mollusca, Echinodermata, – Rastogi Publications, Meerut – 250 002.
10. Romer, A.S. & Parsons, T.S. (1986). The vertebrate body. 6th Ed. Saunders College Pub.
11. Ruppert E. E., Fox, R. & Barnes R. D. (2003). Invertebrate Zoology: a Functional Evolutionary Approach. 7th Ed. Brooks Cole.
12. Saxena, R.A. & Saxena, S. Cooperative Anatomy of Vertebrates. Viva Publication.
13. Sinha, K. S., Adhikari, S., & Ganguly, B. B. Biology of Animals. Vol. I, II. New Central Book Agency. Kolkata.
14. Young, J. Z. (2004). The Life of Vertebrates. III Edition. Oxford university press.

6.2. GE P1–Animal Diversity Lab

ANIMAL DIVERSITY PRACTICAL (CREDITS 2)

1. Spot identification of the following specimens:

Amoeba, Euglena, Plasmodium, Paramecium, Sycon, Euspongia,, Obelia, Physalia, Aurelia, Tubipora, Metridium, Taenia solium, Male and female Ascaris lumbricoides, Aphrodite, Nereis, Pheretima, Hirudinaria, Palaemon, Cancer, Limulus, Palamnaeus, Scolopendra, Julus, Periplaneta, Apis, Chiton, Dentalium, Pila, Unio, Loligo, Sepia, Octopus, Pentaceros, Ophiura, Echinus, Cucumaria and Antedon, Balanoglossus, Herdmania, Branchiostoma, Petromyzon, Sphyrna, Pristis, Torpedo, Labeo, Exocoetus, Anguilla, Ichthyophis/Ureotyphlus, Salamandra, Bufo, Hyla, Chelone, Hemidactylus, Chamaeleon, Draco, Vipera, Naja, Crocodylus, Gavialis, Passer, Psittacula, Alcedo, Sorex, Pteropus, Funambulus, Suncus

2. Study of the following permanent slides: Transverse section of male and female *Ascaris*

3. Identification of poisonous and non-poisonous snakes

4. An “animal album” containing photographs, cut outs, with appropriate write up about the above mentioned taxa. Different taxa/ topics may be given to different sets of students for this purpose.

Examination Pattern:

		Full Marks: 20
Spot identification (6 from Item 1, 3 each from non-chordate & chordate) (6 × 2)		= 12
Spot identification (1 each from item 2 & 3)	(2 × 2)	= 04
Laboratory Note Book -----		= 02
Animal Album -----		= 02

Suggested Readings:

1. Chatterjee and Chatterjee: Practical Zoology
2. Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata

6.3. GE T2-Comparative Anatomy & Developmental Biology of Vertebrates

(CREDITS 4)

THEORY		CLASS
Unit-1	Integumentary System Derivatives of integument with reference to glands and digital tips	4
Unit-2	Skeletal System Evolution of visceral arches	3
Unit-3	Digestive System Brief account of alimentary canal and digestive glands	4
Unit-4	Respiratory System Brief account of gills, lungs, air sacs and swim bladder	5
Unit-5	Circulatory System Evolution of heart and aortic arches	4
Unit-6	Urinogenital System Evolution of kidney and urinogenital ducts	4
Unit 7	Nervous System Comparative account of brain	3
Unit-8	Sense Organs Classification of receptors, Brief account of auditory receptors in vertebrate	3
Unit-9	Early Embryonic Development Gametogenesis: Spermatogenesis and oogenesis with reference to mammals, vitellogenesis in birds; Fertilization: external (amphibians), internal (mammals), blocks to polyspermy; Early development of frog and chick (structure of mature egg and its membranes, patterns of cleavage, fate map, up to formation of gastrula); types of morphogenetic movements; Fate of germ layers; Neurulation in frog embryo.	12
Unit-10	Late Embryonic Development Implantation of embryo in humans, Formation of human placenta and functions, other types of placenta on the basis of histology; Metamorphic events in frog life cycle and its hormonal regulation.	10
Unit-11	Control of Development Fundamental processes in development (brief idea) – Gene activation, determination, induction, differentiation, morphogenesis, intercellular communication, cell movements and cell death	8

Suggested Readings:

1. Carlson, Bruce M (1996). Patten's Foundations of Embryology, McGraw Hill, Inc.
2. Gilbert, S. F. (2006). Developmental Biology, VIII Edition, Sinauer Associates, Inc., Publishers, Sunderland, Massachusetts, USA.
3. Hilderbrand, M and Gaslow G.E. *Analysis of Vertebrate Structure*, John Wiley and Sons.
4. Jordon & Verma . Chordate Emcryp;gy. S. Chand Pub. New Delhi.
5. Kardong, K.V. (2005) *Vertebrates' Comparative Anatomy, Function and Evolution*. IV Edition. McGraw-Hill Higher Education.
6. Kent, G.C. and Carr R.K. (2000). *Comparative Anatomy of the Vertebrates*. IX Edition. The McGraw-Hill Companies.
7. Saxena, R.A. & Saxena, S. Coperative Anatomy of Vertebrates. Viva Publication.
8. Walter, H.E. and Sayles, L.P; *Biology of Vertebrates*, Khosla Publishing House.

6.4. GE P2– Comparative Anatomy & Developmental Biology of Vertebrates Lab

COMPARATIVE ANATOMY AND DEVELOPMENTAL BIOLOGY OF VERTEBRATES PRACTICAL (CREDITS 2)

1. Osteology:

- a) Identification of limb bones and girdles of *Columba* and *Cavia*
- b) Mammalian skulls: *Cavia* and *Canis*.
2. Frog - Study of developmental stages - whole mounts and sections through permanent slides or photomicrographs – cleavage stages, blastula, gastrula, neurula, tail bud stage, tadpole external and internal gill stages.
3. Study of the different types of placenta- histological sections through permanent slides or photomicrographs.
4. Examination of gametes - frog/rat - sperm and ova through permanent slides or photomicrographs.

Examination Pattern:

		Full Marks: 20
Spot identification (4 from Item from item 1)	(4 × 2)	= 8
Spot identification (5 from item 2, 3 &4)	(5 × 2)	= 10
Laboratory Note Book -----		= 2

Suggested Readings:

1. Chatterjee and Chatterjee: Practical Zoology
2. Ghosh, K.C. and Manna, B. (2015): Practical Zoology, New Central Book Agency, Kolkata

6.5. GE T3 –Physiology and Biochemistry

Credits: 6

PHYSIOLOGY AND BIOCHEMISTRY (CREDITS 4)

THEORY

Unit-1	Nerve and muscle	CLASS
	<ol style="list-style-type: none"> 1. Structure of a neuron, Resting membrane potential, Graded potential, Origin of Action potential and its propagation in myelinated and non-myelinated nerve fibres. 2. Ultra-structure of skeletal muscle, Molecular and chemical basis of muscle contraction. 	8
Unit-2	Digestion Physiology of digestion in the alimentary canal; Absorption of carbohydrates, proteins, lipids	5
Unit-3	Respiration Pulmonary ventilation, Respiratory volumes and capacities, Transport of Oxygen and carbon dioxide in blood	5
Unit-4	Excretion Structure of nephron, Mechanism of Urine formation, Counter-current Mechanism	5
Unit-5	Cardiovascular system Composition of blood, Homeostasis, Structure of Heart, Origin and conduction of the cardiac impulse, Cardiac cycle	6
Unit-6	Reproduction and Endocrine Glands Physiology of male reproduction: hormonal control of spermatogenesis;	7

	Physiology of female reproduction: hormonal control of menstrual cycle. Structure and function of pituitary, thyroid, pancreas and adrenal	
Unit 7	Carbohydrate: Structure and Metabolism	8
	Introduction to Carbohydrates, Structure & Types of Carbohydrates, Isomerism, Introduction to Intermediary metabolism: Glycolysis, Krebs cycle, Pentose phosphate pathway, Gluconeogenesis, Electron transport chain	
Unit-8	Lipid: Structure and Metabolism	5
	Introduction to Lipids: Definitions; fats and oils; classes of lipids; Lipoproteins; Biosynthesis and β oxidation of palmitic acid	
Unit-9	Protein: Structure and metabolism	5
	Proteins and their biological functions, functions of amino acids, physicochemical properties of amino acids. Peptides – structure and properties; primary structure of protein, secondary, tertiary and quaternary structures. Transamination, Deamination and Urea Cycle.	
Unit-10	Enzymes	4
	Introduction, Classification of Enzymes, Mechanism of action, Enzyme Kinetics, Inhibition and Regulation	

SUGGESTED READINGS

1. Berg, J. M., Tymoczko, J. L. and Stryer, L. (2006). *Biochemistry*. VI Edn. W.H Freeman & Co.
2. Chatterjea, MN and Shinde, R (2012)
3.). A Textbook of Medical Biochemistry. 8th Edn. Jaypee Pub., N.Delhi
4. Das, D. (200). *Biochemistry*. Central Book Agency, Kolkata
5. Deb, A.C.
6. Guyton, A.C. and Hall, J.E. (2011). *Textbook of Medical Physiology*, XII Edition, Harcourt Asia Pvt. Ltd/ W.B. Saunders Company
7. Murray, R.K., Granner, D.K., Mayes, P.A. and Rodwell, V.W. (2009). *Harper's Illustrated Biochemistry*. XXVIII Edition. Lange Medical Books/Mc Graw3Hill.
8. Nelson, D. L., Cox, M. M. and Lehninger, A.L. (2009). *Principles of Biochemistry*. IV Edition. W.H. Freeman and Co.
9. Sathyanarayana U. and Chakrapani, (2002). *Biochemistry –Books & Allied (P) Ltd, Kolkata*
10. Sembulingam and Sembulingam (2012) *Essentials of Medical Physiology*. 6th Edn. Jaypee Pub, New Delhi
11. Sherwood, L. (2013). *Human Physiology from cells to systems*. 8th Edn., Brooks & Cole
12. Tortora, G.J. and Derrickson, B.H. (2009). *Principles of Anatomy and Physiology*, XII Edition, John Wiley & Sons, Inc.
13. Widmaier, E.P., Raff, H. and Strang, K.T. (2008) *Vander's Human Physiology*, XI Edition., McGraw Hill

6.6. GE P3– Physiology and Biochemistry Lab

PHYSIOLOGY AND BIOCHEMISTRY PRACTICAL (CREDITS 2)

1. Preparation of hemin crystals
2. Identification of permanent histological sections of mammalian pituitary, thyroid, pancreas, adrenal gland, small intestine, liver, lung, kidney
3. Qualitative tests to identify functional groups of carbohydrates in given solutions: Glucose (Benedict's test), Sucrose (Iodine test)
4. Quantitative estimation of total protein in given solutions by Lowry's method.
5. Study of activity of salivary amylase under optimum conditions

Examination Pattern:

		Full Marks: 20
One question	(Item No. 1) -----	(5×1) = 05
One question on qualitative test (From Item 3)	-----	(4×1) = 03
One question from quantitative test item no. 4		(6×1) = 06
Identification of histological section (From Item No. 2) any two		(2×2) = 04
Laboratory Note Book	-----	= 02

6.7. GE T4 –Genetics and Evolutionary Biology

Credits: 6

GENETICS AND EVOLUTIONARY BIOLOGY(CREDITS 4)

THEORY	CLASS
Unit-1 Introduction to Genetics Mendel's work on transmission of traits, Genetic Variation, Molecular basis of Genetic Information	3
Unit-2 Mendelian Genetics and its Extension Principles of Inheritance, Chromosome theory of inheritance, Incomplete dominance and co-dominance, Multiple alleles, Lethal alleles, Epistasis, Pleiotropy, Sex-linked inheritance, Extra-chromosomal inheritance	8
Unit-3 Linkage, Crossing Over and Chromosomal Mapping Linkage and crossing over, Recombination frequency as a measure of linkage intensity, two factor and three factor crosses, Interference and coincidence, Somatic cell genetics - an alternative approach to gene mapping	9
Unit-4 Mutations Chromosomal Mutations: Deletion, Duplication, Inversion, Translocation, Aneuploidy and Polyploidy; Gene mutations: Induced versus Spontaneous mutations	7
Unit-5 Sex Determination Chromosomal mechanisms of sex determination; dosage compensation (human)	4
Unit-6 History of Life Origin of Life	2
Unit 7 Introduction to Evolutionary Theories Lamarckism, Darwinism, Neo-Darwinism	5
Unit-8 Direct Evidences of Evolution Types of fossils, Incompleteness of fossil record, Dating of fossils, Phylogeny of horse	5
Unit-9 Processes of Evolutionary Change Organic variations; Isolating Mechanisms; Natural selection (Example: Industrial melanism); Types of natural selection (Directional, Stabilizing, Disruptive), Artificial selection	9
Unit-10 Species Concept Biological species concept (Advantages and Limitations); Modes of speciation (Allopatric, Sympatric)	6
Unit-11 Macro-evolution Macro-evolutionary principles (example: Darwin's Finches)	5
Unit-12 Extinction Mass extinction (Causes, Names of five major extinctions, K-T extinction in detail), Role of extinction in evolution	6

SUGGESTED READINGS

1. Barton, N. H., Briggs, D. E. G., Eisen, J. A., Goldstein, D. B. and Patel, N. H. (2007). *Evolution*. Cold Spring, Harbour Laboratory Press.

2. Brooker, R.J. (2012). *Genetics: Analysis and Principles*. 4th Edn. McGraw Hill.
3. Chattopadhyay, S. (2012). *Life: Evolution, Adaptation, Ethology*. 3rd Edn. Books and Allied, Kolkata.
4. Futuyma, D. J. (1997). *Evolutionary Biology*. Sinauer Associates.
5. Gardner, E.J., Simmons, M.J., Snustad, D.P. (2008). *Principles of Genetics*. VIII Ed. Wiley India.
6. Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C. and Carroll, S.B. (2010). *Introduction to Genetic Analysis* WH Freeman.
7. Hall, B. K. and Hallgrímsson, B. (2008). *Evolution*. IV Edition. Jones and Bartlett Publishers
8. Hyde, D. (2009). *Introduction to Genetic Principle*. McGraw Hill.
9. Kardong, K. (2004). *An Introduction to Biological Evolution*. McGraw Hill.
10. Klug, W.S., Cummings, M.R., Spencer, C.A. (2012). *Concepts of Genetics*. X Edition. Benjamin Cummings.
11. Pierce, B.A. (2013). *Genetics Essentials: Concepts and Connections*. 2nd Edn. Freeman W.H.
12. Ridley, M. (2004). *Evolution*. III Edition. Blackwell Publishing
13. Russel, P. J. (2009). *Genetics- A Molecular Approach*. III Edition. Benjamin Cummings.
14. Snustad, D.P., Simmons, M.J. (2009). *Principles of Genetics*. V Edition. John Wiley and Sons Inc.

6.8. GE P4–Genetics and Evolutionary Biology Lab

GENETICS AND EVOLUTIONARY BIOLOGY

PRACTICAL (CREDITS 2)

1. Study of Mendelian Inheritance and gene interactions using suitable examples. Verify the results using Chi-square test.
2. Study of Linkage, recombination, gene mapping using the data.
3. Study of Human Karyotypes; normal and abnormal (Turner's, Down's and Klinefelter syndrome) from photographs.
4. Study of fossil evidences from plaster cast models / pictures
5. Study of homology and analogy from suitable specimens/ pictures
6. Charts:
 - a) Phylogeny of horse with diagrams/ cut outs of limbs and teeth of horse ancestors
 - b) Darwin's Finches with diagrams/ cut outs of beaks of different species
7. Visit to any Zoological Museum and submission of report

Examination Pattern:

One question from Item No. 1	-----	(5 × 1) = 05
One question from Item No. 2	-----	(5 × 1) = 05
Identification any two from Item No. 3, 4, 5 & 6		(3 × 2) = 06
Excursion Report _____		= 02
Laboratory Note Book -----		= 02

Full Marks: 20

The University of Burdwan



Syllabus for B.A.(Hons.)

in

Bengali

Under Semester with

Choice Based Credit System

w.e.f. 2020-21

B.A. Honours in Bengali

There will be six semesters in the three years B.A. Honours in Bengali. The curriculum consists 14 core courses (CC), 2 Ability Enhancement Compulsory Courses (AECC), 2 Skill Enhancement Courses (SEC) and 4 Discipline Specific Elective (DSE) courses and 4 Generic Elective (GE) courses.

Semester - I

Course Title	Course Type	Credit	Marks
বাংলা সাহিত্যের ইতিহাস(প্রাচীন ও মধ্যযুগ) Bangla SahityerItihash (Prachin & Madhyayug)	CC-1	6	75
ছন্দ, অলঙ্কার, Chhando, Alankar	CC-2	6	75
Any discipline other than Bengali	GE-1	6	75
ENVS	AECC-1	4	100
		22	325

Semester - II

Course Title	Course Type	Credit	Marks
বৈষ্ণব পদাবলি, শাক্ত পদাবলি BaishnabPadabali, Shakto Padabali	CC-3	6	75
রামায়ণ, অন্নদামঙ্গল Ramayana, Annadamangal	CC-4	6	75
Any discipline other than Bengali	GE-2	6	75
Communicative English/MIL	AECC-2	2	50
		20	275

Semester - III

Course Title	Course Type	Credit	Marks
বাংলা সাহিত্যের ইতিহাস (১৮০১-১৯৫০) [Bangla SahityerItihas (1801-1950)]	CC-5	6	75
ভাষাতত্ত্ব : (Bhasatattwa)	CC-6	6	75
উনিশ শতকের কাব্য (UnishShatakerKabya)	CC-7	6	75
Any discipline other than Bengali	GE-3	6	75
বাংলা ব্যাকরণ (Bangla Byakaran)	SEC-1	2	50
		26	350

Semester – IV

Course Title	Course Type	Credit	Marks
কবিতা (Kabita)	CC-8	6	75
উপন্যাস (Upanyas)	CC-9	6	75
নাটক (Natak)	CC-10	6	75
Any discipline other than Bengali	GE-4	6	75
রচনা শক্তির নৈপুণ্য (Rachanashaktir Naipunya)	SEC-2	2	50
		26	350

Semester – V

Course Title	Course Type	Credit	Marks
গল্প (Galpo)	CC-11	6	75
প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব (Prabandha O Prachya Kabyatattwa)	CC-12	6	75
উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ (Unish Sataker Bangla Kabya O Prabandha)	DSE-1	6	75
উনিশ শতকের বাংলা নাটক ও কথাসাহিত্য (Unish Sataker Bangla Natak O Kathasahitya)	DSE-2	6	75
		24	300

Semester - VI

Course Title	Course Type	Credit	Marks
সংস্কৃত ও ইংরেজি সাহিত্যের ইতিহাস (Sanskrita O Ingreji Sahityer Itihas)	CC-13	6	75
সাহিত্যের রূপ- রীতি ও সংরূপ (Sahityer Rup- Riti O Sangrup)	CC-14	6	75
(বিশ শতকের স্বাধীনতা-পূর্ববর্তী বাংলা কথাসাহিত্য) (BishSataker Swadhinata-purbabarti Bangla Kathasahitya)	DSE-3	6	75
সাহিত্যবিষয়ক প্রবন্ধ ও লোকসাহিত্য (SahityaBisayakPrabandha O Lakasahitya)	DSE-4	6	75
		24	300

B.A. Honours in Bengali

Semester –I

CC-1: বাংলা সাহিত্যের ইতিহাস : প্রাচীন ও মধ্যযুগ (Bangla Sahityer Itihash : Prachin & Madhyayug) Credit- 6 Class 60

পাঠ্যবিষয়: চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, অনুসারীসাহিত্য (ভাগবত, রামায়ণ, মহাভারত); চৈতন্যজীবনী ও বাংলা সাহিত্যে চৈতন্যপ্রভাব (বৃন্দাবনদাস, কৃষ্ণদাস কবিরাজ, জয়ানন্দ, লোচনদাস); বৈষ্ণবপদাবলী ও তার প্রধান প্রধান কবি (বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, জ্ঞানদাস, বলরামদাস); মনসামঙ্গল চণ্ডীমঙ্গল ও ধর্মমঙ্গলের কাহিনিপরিচয় ও প্রধান প্রধান কবি (বিজয়গুপ্ত, নারায়ণদেব, কেতকাদাস ক্ষেমানন্দ, দ্বিজমাধব, মুকুন্দ চক্রবর্তী, রূপরাম চক্রবর্তী, ঘনরাম চক্রবর্তী); শিবায়ন কাব্য (রামেশ্বর ভট্টাচার্য); ভারতচন্দ্রের কাব্যপরিচয় ও অন্নদামঙ্গল কাব্য; চট্টগ্রাম রোসাঙ রাজসভার সাহিত্য (আলাওল, দৌলতকাজী); নাথধর্ম ও সাহিত্যের সংক্ষিপ্ত পরিচয়; ময়মনসিংহ গীতিকা; শক্তিসাধনা ও শাক্তসাহিত্য (রামপ্রসাদ, কমলাকান্ত); বাউলগান সম্পর্কিত ধারণা (লালনফকির)।

(পঠনীয় গ্রন্থ: বাঙ্গালা সাহিত্যের ইতিহাস – সুকুমার সেন, বাংলা সাহিত্যের ইতিবৃত্ত – অসিতকুমার বন্দ্যোপাধ্যায়, বাংলা সাহিত্যের রূপরেখা – গোপাল হালদার, বাংলা সাহিত্যের ইতিকথা- ভূদেব চৌধুরী)

CC -2 : ছন্দ, অলংকার (Chhando, Alankar)

Credit:6

Class 60

ছন্দ:

Class 30

ছন্দ-সম্পর্কিত ধারণা :

ধ্বনি ও বর্ণ, অক্ষর (দল), মাত্রা (কলা), শ্বাসাঘাত (প্রস্বর), ছেদ (অর্থ-সাপেক্ষ বিরাম), যতি, পর্ব, পর্বঙ্গ, অতিপর্ব, চরণ, মিল, বাংলা ছন্দের রীতিগত বিভাগ, (মিশ্রকলাবৃত্ত, কলাবৃত্ত, দলবৃত্ত), বাংলা ছন্দের গঠনগত বিভাগ (একপদী, দ্বিপদী, ত্রিপদী, চৌপদী, পয়ার, মহাপয়ার, অমিত্রাক্ষর, মুক্তবন্ধ, গদ্যছন্দ, সনেট)

ছন্দ-লিপিকরণ:

(পঠনীয় গ্রন্থ: ছন্দ পরিক্রমা- প্রবোধচন্দ্র সেন, ছন্দের বারান্দা- শঙ্খ ঘোষ, ছন্দতত্ত্ব ছন্দরূপ – পবিত্র সরকার)

অলংকার :

Class 30

অলংকার সম্পর্কিত ধারণা :

শব্দালংকার: অনুপ্রাস, যমক, শ্লেষ বক্রোক্তি

অর্থালংকার : উপমা, উৎপ্রেক্ষা, রূপক, অপহুতি, সন্দেহ, নিশ্চয়, ভ্রান্তিমান, ব্যতিরেক, সমাসোক্তি, অতিশয়োক্তি, বিষম, অসঙ্গতি, ব্যাজস্তুতি, বিরোধভাস, দৃষ্টান্ত

অলংকার নিরূপণ:

(পঠনীয় গ্রন্থ : অলঙ্কারচন্দ্রিকা – শ্যামাপদ চক্রবর্তী)

Interdisciplinary/ Generic Elective (GE)

(For the students of other subjects)

Semester- I

GE – 1: প্রবন্ধসাহিত্য : বঙ্কিমচন্দ্র ও রবীন্দ্রনাথ (PrabandhaSahitya:Bankimchandra& Rabindranath)

Class 60

ক) বঙ্কিমচন্দ্র চট্টোপাধ্যায় : মনুষ্যফল, বসন্তের কোকিল, বিড়াল, আমার দুর্গোৎসব, আমার মন

খ) রবীন্দ্রনাথ ঠাকুর : কাব্যের উপেক্ষিতা, সাহিত্যের সামগ্রী, সাহিত্যের উদ্দেশ্য, রঙ্গমঞ্চ, লোকহিত

Semester -II

CC-3: পদাবলিসাহিত্য : বৈষ্ণবপদাবলী, শাক্তপদাবলি

Class 60

BaishnabPadabali, ShaktoPadabali

বৈষ্ণবপদাবলী – কলিকাতা বিশ্ববিদ্যালয় সংকলিত Class 30

পাঠ্য পদসমূহ: নীরদ নয়নে নীরঘন সিঞ্চনে; সহচর অঙ্গে গোরা অঙ্গ হেলাইয়া; শ্রীদামসুদামদাম শুন
ওরে বলরাম, ঘরেরে বাহিরে দণ্ডে শতবার; আলো মুঞি জানো না; এমন পিরীতি কভু দেখি নাহি শুনি;
সখি কি পুছসি অনুভব মোয়; কণ্টক গাঢ়ি কমলসম পদতল; গগনে অবঘন মেহ দারণ; মন্দির বাহির
কঠিন কপাট; এ ঘোর রজনী মেঘের ঘটা; কি মোহিনী জান বঁধু; সুখের লাগিয়া এ ঘর বাঁধিনু; বঁধু
তোমার গরবে গরবিনী হাম; এ সখি হামারি দুখের নাহি ওর; প্রেমকঅঙ্কুর জাত আত ভেলা; পিয়া যব
আওব এ মঝু গেহে; মাধব বহুত মিনতি করি তোয়; হরি হরি হেনদিন হইবে আমার

শাক্তপদাবলি :

Class 30

শাক্তপদাবলী – (অমরেন্দ্রনাথ রায় সংকলিত)

পাঠ্য পদসমূহ: গিরিবর, আর আমি পারি নে হে; গিরি এবার আমার উমা এলে; কাল স্বপনে শঙ্করী; বল
গিরি এ দেহে কি আর প্রাণ রহে আর; কবে যাবে বল গিরিরাজ, গৌরীরে আনিতে; গিরিরাজ হে জামায়ে
এনো মেয়ের সঙ্গে; আর কেন কাঁদরাণি; আজ শুভ নিশি পোহাইল তোমার; তুমি তোমা ছিলে ভুলে;
ছিলাম ভাল জননী গো; ওরে নবমী নিশি; যোয়ো না রজনী আজি, লয়ে তারা দলে; ওহে প্রাণ নাথ
গিরিবর হে; কালী হলি মা রাসবিহারী; মজিল মন ভ্রমরা কালী-পদ; কেবল আসার আশা ভবে আসা ;

মাগো তারা ও শঙ্করি; মা আমায় ঘুরাবে কত; এমন দিন কি হবে তারা; হৃদয়-রাস-মন্দিরে দাঁড়াও মা
ত্রিভঙ্গ হয়ে

CC- 4: রামায়ণ, অন্নদামঙ্গল

Ramayana, Annadamangal

Class 60

রামায়ণ

Class 30

রামায়ণ (লঙ্কাকাণ্ড) – কৃত্তিবাস ওঝা (সুখময় মুখোপাধ্যায় সম্পাদিত)

অন্নদামঙ্গল

Class 30

অন্নদামঙ্গল – ভারতচন্দ্র রায় (অন্নদার ভবানন্দ ভবনে যাত্রা পর্যন্ত)

GE - 2 : গল্প : প্রভাকুমার ও শরৎচন্দ্র Galpo:Pravat Kumar O Saratchandra Class 60

ক) প্রভাকুমার মুখোপাধ্যায় :

বাজীকর, ভিখারী সাহেব, রসময়ীর রসিকতা, দেবী, বলবান জামাতা

খ) শরৎচন্দ্র চট্টোপাধ্যায় :

মন্দির, অভাগীর স্বর্গ, মহেশ, মামলার ফল, রামের সুমতি

AECC -2

Communicative English/ MIL

Class 30

ভাষা অংশ:

ক) বোধপরীক্ষা : (নিম্নলিখিত পাঁচটি প্রবন্ধপাঠ্য)

স্বদেশী সমাজ- রবীন্দ্রনাথ ঠাকুর, বাংলা ভাষা- স্বামী বিবেকানন্দ, বই পড়া- প্রমথ চৌধুরী, স্ত্রী জাতির
অবনতি- বেগম রোকেয়া, অপবিজ্ঞান- রাজশেখর বসু

খ) সংবাদপত্রে প্রতিবেদন রচনা

গ) ইংরেজি থেকে বাংলায় অনুবাদ

সাহিত্য অংশ:

কবিতার ভাবসৌন্দর্য বিশ্লেষণ :

রবীন্দ্রনাথ ঠাকুরের নৈবেদ্য গ্রন্থের ৪টি কবিতা পাঠ্য : (বৈরাগ্য সাধনে মুক্তি সে আমার নয়, শতাব্দীর সূর্য
আজি, চিত্ত যেথা ভয় শূন্য, শক্তি দম্ব স্বার্থ লোভ)

ছোটগল্পের সাহিত্যমূল্য বিচার:

রবীন্দ্রনাথ ঠাকুরের গল্পগুচ্ছ গ্রন্থের ৩টি গল্পপাঠ্য : (ছুটি, বলাই, মণিহার)

Semester III

CC-5 : বাংলা সাহিত্যের ইতিহাস (১৮০১ – ১৯৫০) [Bangla SahityerItihas (1801-1950)] Class 60

বাংলা গদ্যের উৎপত্তি ও বিকাশ আলোচনা-সূত্রে নির্বাচিত প্রতিষ্ঠান ও ব্যক্তির অবদান :

শ্রীরামপুর মিশন, ফোর্ট উইলিয়াম কলেজ, রামমোহন রায়, ঈশ্বরচন্দ্র বিদ্যাসাগর, ভবানীচরণ বন্দ্যোপাধ্যায়, প্যারীচাঁদ মিত্র, কালীপ্রসন্ন সিংহ

কবিতা (উল্লিখিত ব্যক্তির অবদান-সম্পর্কিত আলোচনা) :

ঈশ্বরচন্দ্র গুপ্ত, রঙ্গলাল বন্দ্যোপাধ্যায়, মাইকেল মধুসূদন দত্ত, হেমচন্দ্র বন্দ্যোপাধ্যায়, নবীনচন্দ্র সেন, বিহারীলাল চক্রবর্তী, রবীন্দ্রনাথ ঠাকুর

কথাসাহিত্য : কথাসাহিত্যের উদ্ভব ও বিকাশ: বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, শরৎচন্দ্র চট্টোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়, তারাশঙ্কর বন্দ্যোপাধ্যায় ও মানিক বন্দ্যোপাধ্যায়ের কথাসাহিত্য সম্পর্কিত আলোচনা
নাটক :

বাংলা নাটকের উদ্ভব ও ক্রমবিকাশ-সম্পর্কিত ধারণা: মাইকেল মধুসূদন দত্ত, দীনবন্ধুমিত্র, জ্যোতিরিন্দ্রনাথ ঠাকুর, গিরিশচন্দ্র ঘোষ, দ্বিজেন্দ্রলাল রায়, ক্ষীরোদপ্রসাদ বিদ্যাবিনোদ ও রবীন্দ্রনাথ ঠাকুরের নাটক-রচনায় অবদান; ভারতীয় গণনাট্য সংঘের ভূমিকা

প্রবন্ধ :

অক্ষয় কুমার দত্ত, দেবেন্দ্রনাথ ঠাকুর, ভূদেব মুখোপাধ্যায়, বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর ও প্রমথ চৌধুরীর প্রবন্ধ

(পঠনীয়গ্রন্থ: বাঙ্গালা সাহিত্যের ইতিহাস- সুকুমার সেন, বাংলা সাহিত্যের ইতিবৃত্ত- অসিতকুমার বন্দ্যোপাধ্যায়, বাংলা সাহিত্যের রূপরেখা- গোপাল হালদার, বাংলা সাহিত্যের ইতিকথা- ভূদেব চৌধুরী)

CC-6: ভাষাতত্ত্ব (Bhasatattwa)

Class 60

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ: প্রাচীনবাংলা, মধ্যবাংলা, আধুনিক বাংলার কালনির্ণয়, সাধারণ লক্ষণ ও ভাষাতাত্ত্বিক বৈশিষ্ট্য; ধ্বনির উচ্চারণ স্থান; ধ্বনির বর্গীকরণ ও ধ্বনির পরিবর্তন; শব্দার্থতত্ত্ব, সাধু-চলিত; বাংলা শব্দভাণ্ডার; বাক্যতত্ত্ব; বাংলা উপভাষা।

(পঠনীয়গ্রন্থ : ভাষার ইতিবৃত্ত- সুকুমারসেন, ভাষাতত্ত্ব- অতীন্দ্র মজুমদার, আধুনিক ভাষাবিজ্ঞান ও বাংলাভাষা-
রামেশ্বর শ', তুলনামূলক ও ঐতিহাসিক ভাষাবিজ্ঞান - হুমায়ুন আজাদ)

CC-7: উনিশ শতকের কাব্য (UnishShatakerkabya) Class 60

বীরঙ্গনা কাব্য – মাইকেল মধুসূদন দত্ত

Class 30

(দুঃস্বপ্নের প্রতি শকুন্তলা, সোমের প্রতি তারা, দশরথের প্রতি কেকয়ী, লক্ষ্মণের প্রতি সূর্পণখা, পুরুষোত্তর
প্রতি উর্বশী, নীলধ্বজের প্রতি জনা)

সারদামঙ্গল—বিহারীলাল চক্রবর্তী

Class 30

GE -3 : বাংলা সাহিত্যের ইতিহাস (Bangla Sahityer Itihas) Class 60

চর্যাগীতি, শ্রীকৃষ্ণকীর্তন, কৃত্তিবাস, কবিকঙ্কণ, কাশীরাম, বিদ্যাপতি, চণ্ডীদাস, গোবিন্দদাস, ভারতচন্দ্র,
ফোর্ট উইলিয়াম কলেজের গদ্যচর্চা, রাজা রামমোহন রায়, বিদ্যাসাগর

উপন্যাস : বঙ্কিমচন্দ্র, রবীন্দ্রনাথ, শরৎচন্দ্র

নাটক : মধুসূদন, গিরিশচন্দ্র, বিজন ভট্টাচার্য

ছোটগল্প : রবীন্দ্রনাথ

প্রবন্ধ : রামেন্দ্রসুন্দর ত্রিবেদী

কবিতা : জীবনানন্দ দাশ, সুনীল গঙ্গোপাধ্যায়

SEC-1 : বাংলা ব্যাকরণ (Bangla Byakaran)

Class 20

পদপরিচয়, সন্ধি, সমাস

কারক, বিভক্তি, বাচ্য ও বাক্য পরিবর্তন

Semester IV

CC-8 :কবিতা (Kabita)

Class 60

রবীন্দ্রনাথের কবিতা

Class 30

(পাঠ্য কবিতাসমূহ: নির্ঝরের স্বপ্নভঙ্গ , মেঘদূত, দুইপাখি, বিদায় অভিশাপ, ব্রাহ্মণ, হারিয়ে যাওয়া,
ছেলেটা, পৃথিবী)

আধুনিক বাংলা কবিতা – বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত

Class 30

(পাঠ্যকবিতা : বনলতা সেন- জীবনানন্দ দাশ, মানুষ – কাজী নজরুল ইসলাম, শাস্ত্রী- সুধীন্দ্রনাথ দত্ত,
সংগতি – অমিয় চক্রবর্তী, হারিয়ে – প্রেমেন্দ্র মিত্র, একখানা হাত – বুদ্ধদেব বসু, তুমি শুধু পঁচিশে

বৈশাখ – বিষ্ণু দে, ভারতবর্ষ – দিনেশ দাস , একটি কবিতার জন্য – সুভাষ মুখোপাধ্যায়, কলকাতার
যীশু – নীরেদ্রনাথ চক্রবর্তী, প্রিয়তমাসু – সুকান্ত ভট্টাচার্য, জন্মভূমিকেই – শামসুর রাহমান, বাবরের
প্রার্থনা – শঙ্খ ঘোষ, যেতে পারি কিন্তু কেন যাব – শক্তি চট্টোপাধ্যায়, উত্তরাধিকার – সুনীল গঙ্গোপাধ্যায়)

CC – 9 : উপন্যাস (Upanyas)

Class 60

চন্দ্রশেখর – বঙ্কিমচন্দ্র চট্টোপাধ্যায়

Class 30

গণদেবতা – তারাশঙ্কর বন্দ্যোপাধ্যায়

Class 30

CC – 10 : নাটক (Natak)

Class 60

নীলদর্পণ – দীনবন্ধু মিত্র

Class 30

শারদোৎসব – রবীন্দ্রনাথ ঠাকুর

Class 30

GE- 4 : ভাষাতত্ত্ব (Bhasatattwa)

Class 60

বাংলা ভাষার উৎস, ইতিহাস ও যুগবিভাগ; প্রাচীন বাংলা, মধ্যবাংলা, আধুনিক বাংলার কালনির্ণয়, সাধারণ
লক্ষণ ও ভাষাতাত্ত্বিক বৈশিষ্ট্য; বাংলা শব্দভাণ্ডার; সাধু ও চলিত ভাষা; বাংলা উপভাষার সাধারণ পরিচয়।

SEC -2 : রচনাশক্তির নৈপুণ্য (Rachanashaktir Naipunya)

Class 20

- ক. ব্যক্তিগত ব্যবহারিক প্রাতিষ্ঠানিক পত্রলিখন
- খ. সংবাদপত্রে প্রকাশের উপযোগী প্রতিবেদন রচনা
- গ. অনুচ্ছেদ রচনা
- ঘ. ভাবার্থ ও ভাবসম্প্রসারণ

Semester V

CC – 11 : গল্প (Galpo)

Class 60

গল্পগুচ্ছ : রবীন্দ্রনাথ ঠাকুর

Class 30

পোস্টমাস্টার, কঙ্কাল, ত্যাগ, একরাত্রি, অনধিকার প্রবেশ, মেঘ ও রৌদ্র, নিশীথে, অতিথি, স্ত্রীর পত্র,
ল্যাবরেটরি

একালের গল্প (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

পুঁইমাচা – বিভূতিভূষণ বন্দ্যোপাধ্যায়

জলসাঘর – তারাশঙ্কর বন্দ্যোপাধ্যায়

প্রাগৈতিহাসিক – মানিক বন্দ্যোপাধ্যায়

তেলেনাপোতা আবিষ্কার – প্রেমেন্দ্র মিত্র
ফসিল – সুবোধ ঘোষ
রস – নরেন্দ্রনাথ মিত্র
টোপ – নারায়ণ গঙ্গোপাধ্যায়
ভেবেছিলাম – সন্তোষকুমার ঘোষ
আদাব – সমরেশ বসু
সাঁঝ সকালের মা – মহাশ্বেতা দেবী

CC- 12 : প্রবন্ধ ও প্রাচ্য কাব্যতত্ত্ব (Prabandha O Prachya Kabyatattwa)

Class 60

প্রবন্ধ সংকলন (বর্ধমান বিশ্ববিদ্যালয় প্রকাশিত)

Class 30

লোকশিক্ষা – বঙ্কিমচন্দ্র চট্টোপাধ্যায়
সৎ-প্রসঙ্গ – মীর মশাররফ হোসেন
আমাদের ভাষা-সংকট – প্রমথ চৌধুরী
বাংলারব্রত – অবনীন্দ্রনাথ ঠাকুর
উপন্যাসের পূর্বসূচনা – শ্রীকুমার বন্দ্যোপাধ্যায়
পারিবারিক নারী সমস্যা – অনন্যদাশঙ্কর রায়
বাংলাকাব্যের গোড়ার কথা – হুমায়ুনকবীর
ক্লাইভ স্ট্রিটে চাঁদ – বুদ্ধদেব বসু
নিঃশব্দের তর্জনী – শঙ্খ ঘোষ

কাব্য জিজ্ঞাসা – অতুলচন্দ্র গুপ্ত
(পাঠ্য অংশ ধ্বনি, রস)

Class 30

DSE-1: উনিশ শতকের বাংলা কাব্য ও প্রবন্ধ(Unish Sataker Bangla Kabya O Prabandha) Class 60

১। উনিশ শতকের বাংলা আখ্যানকাব্য ও গীতিকবিতা

Class 30

উনিশ শতকের আখ্যানকাব্য উদ্ভবের সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের আখ্যানকাব্যের প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

উনিশ শতকের গীতিকবিতার উদ্ভবের প্রেরণা, সামাজিক ঐতিহাসিক ও সাংস্কৃতিক প্রেক্ষাপট, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, আখ্যানকাব্যের বিলোপ, উনিশ শতকের গীতিকবিতার প্রতিনিধিস্থানীয় কবি ও তাঁদের কাব্যবৈশিষ্ট্য।

২। উনিশ শতকের বাংলা প্রবন্ধ

Class 30

উনিশ শতকের বাংলা প্রবন্ধসাহিত্যের উদ্ভব বিকাশ ও বিবর্তন, বিষয় ও আঙ্গিকগত বৈশিষ্ট্য, প্রতিনিধিস্থানীয় প্রাবন্ধিক ও তাঁদের প্রবন্ধ বিষয়ক সাধারণ আলোচনা।

DSE-2 : উনিশ শতকের বাংলা নাটক ও কথাসাহিত্য (UnishSataker Bangla Natak O Kathasahitya)
Class 60

১। উনিশ শতকের বাংলা নাটক

Class 30

উনিশ শতকের বাংলা নাটকের উদ্ভব ও বিবর্তন, প্রাক সাধারণ রঙ্গালয়ের যুগে প্রতিনিধিস্থানীয় নাটককার তাঁদের নাটকের সাধারণ আলোচনা, সাধারণ রঙ্গালয়ের যুগের বাংলা নাটককার তাঁদের নাটকের সাধারণ আলোচনা।

২। উনিশ শতকের বাংলা উপন্যাস ও গল্প

Class 30

উনিশ শতকে বাংলা উপন্যাসের উদ্ভব ও ক্রমবিকাশ, বঙ্কিমযুগের বাংলা উপন্যাসের বিষয় ও আঙ্গিকগত সাধারণ লক্ষণ, বঙ্কিমযুগের প্রতিনিধিস্থানীয় উপন্যাসিক ও তাঁদের উপন্যাস বিষয়ে আলোচনা।

উনিশ শতকে বাংলা গল্পের উদ্ভব ও ক্রমবিকাশ, এই পর্বের বাংলা ছোটগল্পের বিষয় ও আঙ্গিকগত সাধারণ লক্ষণ, প্রতিনিধিস্থানীয় গল্পকার ও তাঁদের গল্প বিষয়ে আলোচনা।

Semester VI

CC-13 :সংস্কৃত ও ইংরেজি সাহিত্যের ইতিহাস (Sanskrita O Ingreji Sahityer Itihas) Class 60

১। সংস্কৃত সাহিত্যের ইতিহাস

Class 30

রামায়ণ, মহাভারত, কালিদাস, শূদ্রক, বাণ, ভাস, জয়দেব

২। ইংরেজি সাহিত্যের ইতিহাস

Class 30

চসার, শেকসপিয়ার, মিলটন, ওয়ার্ডসওয়ার্থ, শেলি, কীটস, স্কট, টি.এস. এলিয়ট, টমাস হার্ডি, চার্লস ডিকেন্স, চার্লস ল্যাঙ্ক

CC - 14: সাহিত্যের রূপ-রীতি ও সংরূপ (Sahityer Rup- Riti O Sangrup)

Class 60

১। সাহিত্যের রূপ- রীতি

Class 30

পাঠ্য বিষয়সমূহ : ক্লাসিসিজম, রোমান্টিসিজম, রিয়ালিজম, স্যুররিয়ালিজম, সিম্বলিজম, এপিক, লিরিক, ট্রাজেডি, কমেডি, ফার্স

২। সাহিত্যের সংরূপ সংক্রান্ত ধারণা

Class 30

বাংলা কবিতা, নাটক, উপন্যাস, ছোটগল্প, প্রবন্ধ (স্বরূপ, উদ্ভব, বিকাশ)

DSE -3 : (বিশ শতকের স্বাধীনতা-পূর্ববর্তী বাংলা কথাসাহিত্য) (BishSataker Swadhinata-purbabarti Bangla Kathasahitya) Class 60

১। বিশ শতকের স্বাধীনতা-পূর্ববর্তী বাংলা গল্প Class 30

বিশ শতকের স্বাধীনতা-পূর্ব বাংলা গল্পের ক্রমবিকাশ ও বিবর্তন, বিষয় ও আঙ্গিকগত সাধারণ লক্ষণ, এই পর্বের প্রতিনিধিস্থানীয় বাংলা গল্পকার ও তাঁদের গল্পের সাধারণ আলোচনা।

২। বিশ শতকের স্বাধীনতা-পূর্ববর্তী বাংলা উপন্যাস Class 30

বিশ শতকের স্বাধীনতা-পূর্ববর্তী বাংলা উপন্যাসের ক্রমবিকাশ ও বিবর্তন, বিষয় ও আঙ্গিকগত সাধারণ লক্ষণ, এই পর্বের প্রতিনিধিস্থানীয় উপন্যাসিক ও তাঁদের উপন্যাসের সাধারণ আলোচনা।

DSE-4: সাহিত্য বিষয়ক প্রবন্ধ ও লোকসাহিত্য (SahityaBisayakPrabandha O Lakasahitya) Class 60

১। প্রবন্ধ রচনা

Class 30

২। লোকসংস্কৃতি ও লোকসাহিত্য (প্রাথমিক ধারণা)

Class 30

লোক সংস্কৃতি কি, লোকসংস্কৃতির শ্রেণিবিভাগ, লোকসাহিত্যের সংজ্ঞা ও বৈশিষ্ট্য, উপকরণ- ছড়া, প্রবাদ, ধাঁধা, লোকসংগীত, লোকনাট্য, মন্ত্র, ময়মনসিংহ গীতিকা

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