



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ABHIK DAS

Roll No. 20033100001

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2020	8.00	8.45	Q
		CC-2	Archegoniatae	8	6	48	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	9.00	9.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2021	8.33	8.31	Q
		CC-6	Plant Systematics	8	6	48	2021			
		CC-7	Economic Botany	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
BOTANY	SEC-1	Agricultural Botany	9	2	18	2021				
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2022	9.00	8.77	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2022			
		CC-10	Molecular Biology	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2022			
BOTANY	SEC-2	Biofertilizers	9	2	18	2022				
V	BOTANY	CC-11	Plant Physiology	8	6	48	2022	8.50	8.50	Q
		CC-12	Plant Metabolism	8	6	48	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2022			
		DSE-2	Natural Resource Management	9	6	54	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2023	9.50	9.50	Q
		CC-14	Plant Biotechnology	9	6	54	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	10	6	60	2023			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.78							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.75										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms	Percentage Conversion Formula:		
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ABHISHEK DAS

Roll No. 20033100002

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.50	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	8.70	Q
		CC-4	Cell Biology	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	8.33	8.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2021			
		CC-7	Fundamentals of Biochemistry	8	6	48	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2022	9.00	8.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2022	6.00	6.00	Q
		CC-12	Genetics	6	6	36	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	6	6	36	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2023	6.50	6.50	Q
		CC-14	Evolutionary Biology	6	6	36	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2023			
		DSE-4	Endocrinology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.61							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.85										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ABU TAHER SK

Roll No. 200331000003

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2020	7.50	7.64	Q
		CC-2	Archegoniatae	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2021	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2021	7.33	7.54	Q
		CC-6	Plant Systematics	7	6	42	2021			
		CC-7	Economic Botany	7	6	42	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	7	6	42	2022	7.00	7.31	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2022			
		CC-10	Molecular Biology	7	6	42	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2022			
V	BOTANY	CC-11	Plant Physiology	6	6	36	2022	7.00	7.00	Q
		CC-12	Plant Metabolism	7	6	42	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	7	6	42	2022			
		DSE-2	Natural Resource Management	8	6	48	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2023	6.00	6.00	Q
		CC-14	Plant Biotechnology	5	6	30	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	6	6	36	2023			
		DSE-4	Industrial and Environmental Microbiology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.00							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.23										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ANJAN MANDAL

Roll No. 200331000007

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2022	7.75	7.75	Q
		CC-12	Mechanics I	6	6	36	2022			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2023	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **9.28**Letter Grade in CGPA : **O**Result : **Q**

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ANUBHA SADHU

Roll No. 200331000008

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	9	6	54	2020	9.00	9.00	Q
		CC-2	Archegoniatae	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	9.50	9.20	Q
		CC-4	Morphology and Anatomy of Angiosperms	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2021	9.33	9.23	Q
		CC-6	Plant Systematics	9	6	54	2021			
		CC-7	Economic Botany	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
BOTANY	SEC-1	Agricultural Botany	9	2	18	2021				
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2022	9.67	9.46	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2022			
		CC-10	Molecular Biology	10	6	60	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
BOTANY	SEC-2	Biofertilizers	9	2	18	2022				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2022	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2022			
		DSE-2	Natural Resource Management	9	6	54	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2023	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	10	6	60	2023			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **9.22**Letter Grade in CGPA : **O**Result : **Q**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **9.15**

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ANUPAM MONDAL

Roll No. 200331000010

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.73	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	8.90	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.00	7.85	Q
		CC-6	Circulation	8	6	48	2021			
		CC-7	Functions of The Nervous System	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2022	8.00	7.77	Q
		CC-9	Gastrointestinal Function	8	6	48	2022			
		CC-10	Respiration	8	6	48	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	7	6	42	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	8	2	16	2022			
V	PHYSIOLOGY	CC-11	Special Senses	7	6	42	2022	6.75	6.75	Q
		CC-12	Endocrinology	6	6	36	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2022			
		DSE-2	Sports and Exercise Physiology	6	6	36	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	7	6	42	2023	7.00	7.00	Q
		CC-14	Formation and Excretion of Urine	7	6	42	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2023			
		DSE-4	Toxicology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.79										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ARINDAM BHANDARI

Roll No. 20033100011

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.50	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	9.30	Q
		CC-4	Cell Biology	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.33	9.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	10	2	20	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.67	9.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	10	6	60	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2022			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2022				
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2022	7.00	7.00	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2022			
		DSE-2	Parasitology	7	6	42	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2023	7.50	7.50	Q
		CC-14	Evolutionary Biology	6	6	36	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.51										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Arindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ARJUN MAL

Roll No. 20033100012

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2020	7.50	7.36	Q
		CC-2	Archegoniatae	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	8.50	8.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2021	6.67	7.15	Q
		CC-6	Plant Systematics	6	6	36	2021			
		CC-7	Economic Botany	6	6	36	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	7.67	7.77	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2022			
		CC-10	Molecular Biology	7	6	42	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2022			
V	BOTANY	CC-11	Plant Physiology	5	6	30	2022	5.50	5.50	Q
		CC-12	Plant Metabolism	5	6	30	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	5	6	30	2022			
		DSE-2	Natural Resource Management	7	6	42	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	6	6	36	2023	5.75	5.75	Q
		CC-14	Plant Biotechnology	5	6	30	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	6	6	36	2023			
		DSE-4	Industrial and Environmental Microbiology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.67							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 6.99										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ARNAB DAS

Roll No. 200331000013

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2020	8.00	7.64	Q
		CC-2	Mechanics	8	6	48	2020			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	8.90	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	8.77	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	COMPUTER SCIENCE	GE-3	Operating Systems	8	6	48	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.67	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	10	6	60	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2022	6.75	6.75	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2022			
		DSE-2	Classical Dynamics	6	6	36	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2023	6.25	6.25	Q
		CC-14	Statistical Mechanics	6	6	36	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	5	6	30	2023			
		DSE-4	Astronomy and Astrophysics	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.89										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ARNAB GHOSH

Roll No. 200331000014

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2022	5.25	5.25	Q
		CC-12	Mechanics I	4	6	24	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	5	6	30	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.52										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ARPAN ROY CHOWDHURY

Roll No. 200331000015

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.55	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	9.00	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.67	8.54	Q
		CC-6	Circulation	9	6	54	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2022	8.67	8.77	Q
		CC-9	Gastrointestinal Function	8	6	48	2022			
		CC-10	Respiration	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2022			
V	PHYSIOLOGY	CC-11	Special Senses	7	6	42	2022	7.75	7.75	Q
		CC-12	Endocrinology	8	6	48	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2022			
		DSE-2	Sports and Exercise Physiology	8	6	48	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2023	7.75	7.75	Q
		CC-14	Formation and Excretion of Urine	7	6	42	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.38										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ATASI GARAI

Roll No. 200331000016

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	8.50	8.27	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	8.90	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	7	6	42	2021	7.00	7.15	Q
		CC-6	Circulation	7	6	42	2021			
		CC-7	Functions of The Nervous System	7	6	42	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2021			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	7	6	42	2022	7.33	7.15	Q
		CC-9	Gastrointestinal Function	7	6	42	2022			
		CC-10	Respiration	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2022			
PHYSIOLOGY	SEC-2	Hematological Techniques	6	2	12	2022				
V	PHYSIOLOGY	CC-11	Special Senses	7	6	42	2022	7.50	7.50	Q
		CC-12	Endocrinology	6	6	36	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2022			
		DSE-2	Sports and Exercise Physiology	9	6	54	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	7	6	42	2023	6.75	6.75	Q
		CC-14	Formation and Excretion of Urine	7	6	42	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	7	6	42	2023			
		DSE-4	Toxicology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.50							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.56										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : BARSHA SAMANTA

Roll No. 200331000020

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2022	7.25	7.25	Q
		CC-12	Mechanics I	7	6	42	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2023	8.25	8.25	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.00							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.07										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **BIDIPTTA DAS**Roll No. **20033100021**

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2020	8.50	8.45	Q
		CC-2	Ecology	8	6	48	2020			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	9.00	Q
		CC-4	Cell Biology	9	6	54	2021			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.00	8.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	9.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2022			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2022	6.50	6.50	Q
		CC-12	Genetics	7	6	42	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	7	6	42	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2023	8.00	8.00	Q
		CC-14	Evolutionary Biology	7	6	42	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.22							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.28										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **BIMAN MONDAL**Roll No. **200331000022**

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.64	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2022	7.50	7.50	Q
		CC-12	Mechanics I	6	6	36	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	8	6	48	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2023	8.25	8.25	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.00							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.04										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **BROJAKISHORE GHOSH**Roll No. **20033100024**

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	8.50	8.27	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	8.90	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.33	8.54	Q
		CC-6	Circulation	8	6	48	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2022	8.67	8.77	Q
		CC-9	Gastrointestinal Function	8	6	48	2022			
		CC-10	Respiration	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2022			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2022	8.25	8.25	Q
		CC-12	Endocrinology	8	6	48	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	8	6	48	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2023	8.50	8.50	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.50							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.54										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : DEEPANWIT CHATTERJEE

Roll No. 20033100025

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2020	8.00	7.91	Q
		CC-2	Archegoniatae	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2021	8.00	8.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2021	8.00	8.00	Q
		CC-6	Plant Systematics	7	6	42	2021			
		CC-7	Economic Botany	8	6	48	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	7.67	7.54	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2022			
		CC-10	Molecular Biology	7	6	42	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2022			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2022			
V	BOTANY	CC-11	Plant Physiology	5	6	30	2022	6.25	6.25	Q
		CC-12	Plant Metabolism	5	6	30	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	7	6	42	2022			
		DSE-2	Natural Resource Management	8	6	48	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	6	6	36	2023	5.75	5.75	Q
		CC-14	Plant Biotechnology	5	6	30	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	6	6	36	2023			
		DSE-4	Industrial and Environmental Microbiology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.06							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.27										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **DIBYANGSHU CHANDRA**Roll No. **20033100027**

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	8.50	8.82	Q
		CC-2	Physical Chemistry-I	8	6	48	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	10.00	9.80	Q
		CC-4	Organic Chemistry-II	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	10	6	60	2021	9.33	9.23	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.33	9.31	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2022	8.00	8.00	Q
		CC-12	Organic Chemistry-V	8	6	48	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2022			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2023	8.50	8.50	Q
		CC-14	Physical Chemistry-IV	8	6	48	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.83							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.93										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : DIPASMIT PALCHAUDHURI

Roll No. 200331000028

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2020	9.00	9.45	Q
		CC-2	Ecology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	9.30	Q
		CC-4	Cell Biology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.33	9.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	10	2	20	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	10.00	10.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	10	6	60	2022			
		CC-10	Immunology	10	6	60	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	10	6	60	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	10	2	20	2022			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2022	8.75	8.75	Q
		CC-12	Genetics	9	6	54	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2022			
		DSE-2	Parasitology	9	6	54	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2023	8.50	8.50	Q
		CC-14	Evolutionary Biology	9	6	54	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2023			
		DSE-4	Endocrinology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.06							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.23										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:	
	CGPA	Letter Grade
90% to 100%	10	9
70% and above but below 80%	8	7
50% and above but below 60%	6	5
35% and above but below 40%	4	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **DIPTESH SAHA**Roll No. **20033100029**

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	8.50	8.73	Q
		CC-2	Mechanics	8	6	48	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.20	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.08	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2022	6.50	6.50	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
		PHYSICS	CC-13	Electromagnetic Theory	5	6	30			
VI	PHYSICS	CC-14	Statistical Mechanics	7	6	42	2023	6.25	6.25	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	5	6	30			
	PHYSICS		DSE-4	Astronomy and Astrophysics	8	6	48			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.78								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.11										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **DIYA SETH**Roll No. **200331000030**

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	9	6	54	2020	9.50	9.36	Q
		CC-2	Archegoniatae	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	10	6	60	2021	10.00	9.90	Q
		CC-4	Morphology and Anatomy of Angiosperms	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2021	9.33	9.00	Q
		CC-6	Plant Systematics	9	6	54	2021			
		CC-7	Economic Botany	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2022	9.67	9.46	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2022			
		CC-10	Molecular Biology	10	6	60	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2022			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2022			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2022	9.75	9.75	Q
		CC-12	Plant Metabolism	10	6	60	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2022			
		DSE-2	Natural Resource Management	10	6	60	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	10	6	60	2023	10.00	10.00	Q
		CC-14	Plant Biotechnology	10	6	60	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	10	6	60	2023			
		DSE-4	Industrial and Environmental Microbiology	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.72							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.56										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **GOPAL DUTTA**Roll No. **20033100031**

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2020	9.00	8.73	Q
		CC-2	Ecology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	9.00	Q
		CC-4	Cell Biology	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	9.00	9.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2022	8.67	8.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2022			
		CC-10	Immunology	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2022			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2022	8.25	8.25	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2022			
		DSE-2	Parasitology	9	6	54	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2023	8.00	8.00	Q
		CC-14	Evolutionary Biology	8	6	48	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.56							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.62										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **GOPINATH MONDAL**Roll No. **20033100032**

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	5.75	5.75	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	5	6	30	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	5	6	30	2023	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.52										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : GOURANGA DHAI

Roll No. 200331000033

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2020	7.50	7.36	Q
		CC-2	Archegoniatae	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	7	6	42	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2021	6.67	6.77	Q
		CC-6	Plant Systematics	7	6	42	2021			
		CC-7	Economic Botany	6	6	36	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	7	6	42	2021			
	BOTANY	SEC-1	Agricultural Botany	7	2	14	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	7.67	7.77	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2022			
		CC-10	Molecular Biology	7	6	42	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2022			
V	BOTANY	CC-11	Plant Physiology	5	6	30	2022	6.25	6.25	Q
		CC-12	Plant Metabolism	5	6	30	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	7	6	42	2022			
		DSE-2	Natural Resource Management	8	6	48	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	5	6	30	2023	6.00	6.00	Q
		CC-14	Plant Biotechnology	6	6	36	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	7	6	42	2023			
		DSE-4	Industrial and Environmental Microbiology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.83							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.00										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : GOURI MONDAL

Roll No. 200331000034

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.73	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.50	9.30	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2021	9.33	9.08	Q
		CC-6	Circulation	9	6	54	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2022	9.67	9.31	Q
		CC-9	Gastrointestinal Function	9	6	54	2022			
		CC-10	Respiration	10	6	60	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2022			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2022	9.25	9.25	Q
		CC-12	Endocrinology	9	6	54	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	10	6	60	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2023	8.75	8.75	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.22							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.07										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : HAREKRISHNA GHORAI

Roll No. 200331000035

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2021	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.33	9.31	Q
		CC-9	Multivariate Calculus	9	6	54	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	6.00	6.00	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	6	6	36	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.22							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.48										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:	
	Grade Point	Percentage
90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%
50% and above but below 60%	6	40% and above but below 50%
35% and above but below 40%	4	Below 35%
		Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : ITISHA SADHU

Roll No. 200331000036

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.30	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	7.25	7.25	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2022			
		DSE-2	Classical Dynamics	6	6	36	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2023	7.75	7.75	Q
		CC-14	Statistical Mechanics	8	6	48	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2023			
		DSE-4	Astronomy and Astrophysics	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.58										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : JISHU SARKAR

Roll No. 200331000038

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	8	6	48	2020	8.00	8.45	Q
		CC-2	Bacteriology	8	6	48	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2021	8.50	8.60	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	7.67	7.77	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.54	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2022	8.25	8.25	Q
		CC-12	Immunology	8	6	48	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.25	7.25	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.13										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **KHANDEKAR NOOR EARAFIN**Roll No. **200331000040**

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	9	6	54	2020	9.00	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	8.90	Q
		CC-4	Cell Biology	9	6	54	2021			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	9.00	8.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.00	8.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022				
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2022	7.00	7.00	Q
		CC-12	Genetics	6	6	36	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2022			
		DSE-2	Parasitology	8	6	48	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2023	7.75	7.75	Q
		CC-14	Evolutionary Biology	7	6	42	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.25										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **KHEYA CHAKRABORTY**Roll No. **200331000041**

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.00	Q
		CC-2	Bacteriology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	9.00	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	8.33	8.46	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.00	8.23	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	6	6	36	2022	6.50	6.50	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	5	6	30	2023	5.75	5.75	Q
		CC-14	Recombinant DNA Technology	5	6	30	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	6	6	36	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.44							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.79										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:			
	90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : LOKNATH SAHA

Roll No. 200331000043

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.00	Q
		CC-2	Bacteriology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2021	9.50	9.30	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.33	8.46	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.54	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	6.25	6.25	Q
		CC-12	Immunology	6	6	36	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	6	6	36	2022			
		DSE-2	Instrumentation and Biotechniques	6	6	36	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	6	6	36	2023	6.00	6.00	Q
		CC-14	Recombinant DNA Technology	5	6	30	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	6	6	36	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.89										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
		= (SGPA or CGPA × 10) - 5.0	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)





THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MARUFA NASRIN

Roll No. 200331000044

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2020	7.50	7.36	Q
		CC-2	Archegoniatae	8	6	48	2020			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2021	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2021	8.33	8.23	Q
		CC-6	Plant Systematics	8	6	48	2021			
		CC-7	Economic Botany	8	6	48	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	8.67	8.54	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2022			
		CC-10	Molecular Biology	9	6	54	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2022			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2022	7.75	7.75	Q
		CC-12	Plant Metabolism	7	6	42	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2022			
		DSE-2	Natural Resource Management	9	6	54	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2023	7.50	7.50	Q
		CC-14	Plant Biotechnology	8	6	48	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	8	6	48	2023			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.92										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MD AZAHARUDDIN KHAN

Roll No. 200331000045

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.00	Q
		CC-2	Bacteriology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2021	10.00	9.90	Q
		CC-4	Virology	10	6	60	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	8.67	8.77	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	8.67	8.77	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	7.25	7.25	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2022			
		DSE-2	Instrumentation and Biotechniques	7	6	42	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	6	6	36	2023	6.75	6.75	Q
		CC-14	Recombinant DNA Technology	6	6	36	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.37										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MD INTAJ HOSSAIN

Roll No. 200331000046

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	8	6	48	2020	8.50	8.45	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2021	8.00	8.30	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.00	8.15	Q
		CC-6	Circulation	8	6	48	2021			
		CC-7	Functions of The Nervous System	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2021				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2022	8.33	8.31	Q
		CC-9	Gastrointestinal Function	8	6	48	2022			
		CC-10	Respiration	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2022			
PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2022				
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2022	8.50	8.50	Q
		CC-12	Endocrinology	9	6	54	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	8	6	48	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2023	8.75	8.75	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.41										

Date of Publication of Result : 25.08.2023


$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i}$$

$$CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MD MONIRUZZAMAN

Roll No. 200331000047

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.45	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	8.60	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.33	8.31	Q
		CC-6	Circulation	8	6	48	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2022	8.33	8.08	Q
		CC-9	Gastrointestinal Function	8	6	48	2022			
		CC-10	Respiration	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2022			
V	PHYSIOLOGY	CC-11	Special Senses	6	6	36	2022	7.00	7.00	Q
		CC-12	Endocrinology	7	6	42	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2022			
		DSE-2	Sports and Exercise Physiology	7	6	42	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2023	8.00	8.00	Q
		CC-14	Formation and Excretion of Urine	7	6	42	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.06										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MD RAJIBUL ISLAM

Roll No. 200331000048

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.73	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.00	8.90	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2021	8.00	8.08	Q
		CC-6	Circulation	8	6	48	2021			
		CC-7	Functions of The Nervous System	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2022	7.33	7.54	Q
		CC-9	Gastrointestinal Function	7	6	42	2022			
		CC-10	Respiration	7	6	42	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2022			
PHYSIOLOGY	SEC-2	Hematological Techniques	8	2	16	2022				
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2022	7.50	7.50	Q
		CC-12	Endocrinology	7	6	42	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2022			
		DSE-2	Sports and Exercise Physiology	7	6	42	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	7	6	42	2023	7.50	7.50	Q
		CC-14	Formation and Excretion of Urine	7	6	42	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2023			
		DSE-4	Toxicology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.89							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.00										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:	
	CGPA	Letter Grade
90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%
50% and above but below 60%	6	40% and above but below 50%
35% and above but below 40%	4	Below 35%
		Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MD SAIDUR RAHAMAN

Roll No. 200331000049

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.27	Q
		CC-2	Bacteriology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	9.30	Q
		CC-4	Virology	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	8.33	8.00	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	7	6	42	2021			
MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021				
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.33	8.46	Q
		CC-9	Environmental Microbiology	8	6	48	2022			
		CC-10	Food and Dairy Microbiology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2022	7.00	7.00	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2022			
		DSE-2	Instrumentation and Biotechniques	7	6	42	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.00	7.00	Q
		CC-14	Recombinant DNA Technology	6	6	36	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.89							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.13										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs <5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:			
	90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : MRITUNJAY GARAI

Roll No. 20033100050

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	9	6	54	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.33	9.08	Q
		CC-9	Multivariate Calculus	9	6	54	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2022	6.25	6.25	Q
		CC-12	Mechanics I	6	6	36	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	6	6	36	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.48										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : NASRIN SULTANA

Roll No. 20033100051

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2021	9.00	8.90	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.00	9.23	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.08	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	MATHEMATICS	GE-4	Algebra	9	6	54	2022			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2022				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2022	8.25	8.25	Q
		CC-12	Organic Chemistry-V	8	6	48	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2022			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2023	8.75	8.75	Q
		CC-14	Physical Chemistry-IV	9	6	54	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.78							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.92										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : NATASHA YEASMIN

Roll No. 200331000052

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	10	6	60	2020	10.00	8.82	Q
		CC-2	Biological Physics and Enzymes	10	6	60	2020			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2021	10.00	9.60	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2021	9.67	9.31	Q
		CC-6	Circulation	10	6	60	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2021				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2022	9.67	9.54	Q
		CC-9	Gastrointestinal Function	9	6	54	2022			
		CC-10	Respiration	10	6	60	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2022				
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2022	9.75	9.75	Q
		CC-12	Endocrinology	10	6	60	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2022			
		DSE-2	Sports and Exercise Physiology	10	6	60	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2023	9.25	9.25	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.67							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.38										

Date of Publication of Result : 25.08.2023


$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i}$$

$$CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% and above	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : NILADRI SHANKAR GHOSH

Roll No. 20033100053

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2022	6.00	6.00	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2022			
		DSE-2	Probability & Statistics	5	6	30	2022			
		DSE-3	Project Work	9	6	54	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2023	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.61							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.77										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA×10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRADIPTA DAS

Roll No. 200331000057

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2021	9.50	9.60	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.08	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	7.00	7.00	Q
		CC-12	Solid State Physics	8	6	48	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2022			
		DSE-2	Classical Dynamics	5	6	30	2022			
		PHYSICS	CC-13	Electromagnetic Theory	7	6	42			
VI	PHYSICS	CC-14	Statistical Mechanics	8	6	48	2023	7.50	7.50	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36			
	PHYSICS		DSE-4	Astronomy and Astrophysics	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.55										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRAHLAD MUKHERJEE

Roll No. 20033100058

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
IV	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021	10.00	9.54	Q
		CC-8	Riemann Integration and Series of Functions	10	6	60	2022			
		CC-9	Multivariate Calculus	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2022			
V	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022	5.25	5.25	Q
		CC-11	Partial Differential Equations and Applications	6	6	36	2022			
	MATHEMATICS	CC-12	Mechanics I	5	6	30	2022			
		DSE-1	Linear Programming	6	6	36	2022			
VI	MATHEMATICS	DSE-2	Probability & Statistics	4	6	24	2022	7.25	7.25	Q
		CC-13	Metric Spaces and Complex Analysis	6	6	36	2023			
	CC-14	Ring Theory and Linear Algebra II	5	6	30	2023				
	MATHEMATICS	DSE-3	Project Work	10	6	60	2023			
DSE-4		Mechanics II	8	6	48	2023				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.56										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:	
	Grade Point	Percentage
90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%
50% and above but below 60%	6	40% and above but below 50%
35% and above but below 40%	4	Below 35%
		Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRATIBHA GORAIN

Roll No. 200331000061

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2022	7.00	7.00	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
		DSE-3	Project Work	9	6	54	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2023	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.83							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.90										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRITI GHOSH

Roll No. 20033100063

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.50	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	9.00	8.90	Q
		CC-4	Cell Biology	9	6	54	2021			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.33	9.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	10	2	20	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	9.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2022	8.00	8.00	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2022			
		DSE-2	Parasitology	9	6	54	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2023	8.25	8.25	Q
		CC-14	Evolutionary Biology	8	6	48	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.67							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.70										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRITI MONDAL

Roll No. 200331000064

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.00	8.45	Q
		CC-2	Ecology	8	6	48	2020			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2021	8.50	9.00	Q
		CC-4	Cell Biology	9	6	54	2021			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	9.00	8.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2022	9.00	8.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2022	5.50	5.50	Q
		CC-12	Genetics	5	6	30	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	6	6	36	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2023	7.50	7.50	Q
		CC-14	Evolutionary Biology	6	6	36	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.72							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.01										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : PRIYANKA ANKUR

Roll No. 200331000065

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2020	8.50	9.00	Q
		CC-2	Mechanics	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	8.90	Q
		CC-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.23	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	MATHEMATICS	GE-4	Algebra	10	6	60	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2022	6.25	6.25	Q
		CC-12	Solid State Physics	7	6	42	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2022			
		DSE-2	Classical Dynamics	5	6	30	2022			
		PHYSICS	CC-13	Electromagnetic Theory	6	6	36			
VI	PHYSICS	CC-14	Statistical Mechanics	7	6	42	2023	7.00	7.00	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36			
	PHYSICS	DSE-4	Astronomy and Astrophysics	9	6	54	2023			
		PHYSICS	DSE-4	Astronomy and Astrophysics	9	6	54			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.89							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.23										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RAHIMODDIN SK

Roll No. 200331000066

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2021	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2022	6.50	6.50	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.61										


Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RAJIB BHALLA

Roll No. 20033100068

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.00	7.91	Q
		CC-2	Ecology	8	6	48	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	8.50	8.30	Q
		CC-4	Cell Biology	8	6	48	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.33	9.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2022	8.33	8.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2022			
		CC-10	Immunology	8	6	48	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	7	6	42	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2022	6.00	6.00	Q
		CC-12	Genetics	6	6	36	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	6	6	36	2022			
		CC-13	Developmental Biology	7	6	42	2023			
VI	ZOOLOGY	CC-14	Evolutionary Biology	7	6	42	2023	7.00	7.00	Q
		DSE-3	Animal Behaviour	7	6	42	2023			
	ZOOLOGY	DSE-4	Endocrinology	7	6	42	2023			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.67								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.70										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RAJU MONDAL

Roll No. 20033100069

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	8	6	48	2020	8.50	8.73	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	10.00	9.50	Q
		CC-4	Organic Chemistry-II	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	8.67	9.00	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.31	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	MATHEMATICS	GE-4	Algebra	10	6	60	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2022	6.50	6.50	Q
		CC-12	Organic Chemistry-V	7	6	42	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2022			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	6	6	36	2023	7.50	7.50	Q
		CC-14	Physical Chemistry-IV	7	6	42	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.41										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:			
	90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RIMPA CHANDRA

Roll No. 200331000074

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.50	9.50	Q
		CC-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	10	6	60	2021	9.33	9.23	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	8.67	8.85	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2022	5.75	5.75	Q
		CC-12	Solid State Physics	6	6	36	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2023	8.00	8.00	Q
		CC-14	Statistical Mechanics	9	6	54	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2023			
		DSE-4	Astronomy and Astrophysics	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.41										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RISHAD RAHAMAN

Roll No. 200331000075

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.36	Q
		CC-2	Algebra	10	6	60	2020			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	COMPUTER SCIENCE	GE-2	Database Management Systems	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2021	9.33	9.31	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2022	8.67	8.62	Q
		CC-9	Multivariate Calculus	9	6	54	2022			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	5.25	5.25	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2022			
		DSE-2	Probability & Statistics	4	6	24	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.50	6.50	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	6	6	36	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **7.83**Letter Grade in CGPA : **A**Result : **Q**CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.07**

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : RIYA DAS

Roll No. 200331000078

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	8.50	8.45	Q
		CC-2	Bacteriology	8	6	48	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.50	9.30	Q
		CC-4	Virology	10	6	60	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2021	8.33	8.54	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	8.67	8.77	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2022	7.50	7.50	Q
		CC-12	Immunology	7	6	42	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2022			
		DSE-2	Instrumentation and Biotechniques	7	6	42	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	7.25	7.25	Q
		CC-14	Recombinant DNA Technology	7	6	42	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.28										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs <5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **ROHIT KONAI**Roll No. **200331000079**

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	7	6	42	2020	8.00	8.45	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2021	9.00	9.30	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.33	9.15	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2022				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	5	6	30	2022	6.00	6.00	Q
		CC-12	Organic Chemistry-V	6	6	36	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2022			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	7	6	42	2023	7.75	7.75	Q
		CC-14	Physical Chemistry-IV	7	6	42	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.27										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SABNAM PARVIN

Roll No. 20033100081

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	7	6	42	2020	8.00	8.18	Q
		CC-2	Archegoniatae	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	9.00	9.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2021	8.00	8.00	Q
		CC-6	Plant Systematics	8	6	48	2021			
		CC-7	Economic Botany	8	6	48	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	8.67	8.77	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2022			
		CC-10	Molecular Biology	9	6	54	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2022			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2022			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2022	8.25	8.25	Q
		CC-12	Plant Metabolism	8	6	48	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2022			
		DSE-2	Natural Resource Management	9	6	54	2022			
		BOTANY	CC-13	Genetics & Plant Breeding	8	6	48			
VI	BOTANY	CC-14	Plant Biotechnology	9	6	54	2023	8.50	8.50	Q
		BOTANY	DSE-3	Phytoremediation & Immunology	9	6	54			
	BOTANY		DSE-4	Industrial and Environmental Microbiology	8	6	48			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.44										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SAIKAT DHIBAR

Roll No. 20033100082

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	7	6	42	2020	7.50	7.91	Q
		CC-2	Ecology	8	6	48	2020			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2021	8.00	8.30	Q
		CC-4	Cell Biology	8	6	48	2021			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.00	8.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	9.15	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022				
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2022	7.25	7.25	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2022			
		DSE-2	Parasitology	7	6	42	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2023	7.50	7.50	Q
		CC-14	Evolutionary Biology	7	6	42	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.06							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.17										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SAMIM AKTAR

Roll No. 200331000083

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	6	6	36	2020	8.00	8.45	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2021	9.00	9.00	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2021	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2022	5.25	5.25	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2022			
		DSE-2	Probability & Statistics	5	6	30	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	6.75	6.75	Q
		CC-14	Ring Theory and Linear Algebra II	4	6	24	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.78							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.10										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SANANDO SINGHA

Roll No. 200331000084

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	10.00	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	7.00	7.00	Q
		CC-12	Mechanics I	6	6	36	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	8	6	48	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2023	7.75	7.75	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.83							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.03										

Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SAYAN CHOWDHURY

Roll No. 200331000088

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.00	8.45	Q
		CC-2	Ecology	8	6	48	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2021	8.00	8.30	Q
		CC-4	Cell Biology	8	6	48	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2021	8.67	8.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	8	6	48	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	8.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2022			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2022			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2022	5.75	5.75	Q
		CC-12	Genetics	7	6	42	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	5	6	30	2022			
		DSE-2	Parasitology	6	6	36	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2023	6.00	6.00	Q
		CC-14	Evolutionary Biology	5	6	30	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2023			
		DSE-4	Endocrinology	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.39							Letter Grade in CGPA : A	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.66										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SAYANTIKA MUKHOPADHYAY

Roll No. 20033100089

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2021	9.00	9.30	Q
		CC-4	Organic Chemistry-II	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	8.67	8.77	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	8	6	48	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.08	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2022				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2022	6.00	6.00	Q
		CC-12	Organic Chemistry-V	5	6	30	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2022			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	6	6	36	2023	7.50	7.50	Q
		CC-14	Physical Chemistry-IV	7	6	42	2023			
	CHEMISTRY	DSE-3	Green Chemistry	7	6	42	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.30										


Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SHATABDI BISHNU

Roll No. 200331000090

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	6	6	36	2020	7.50	7.73	Q
		CC-2	Archegoniatae	9	6	54	2020			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2021	8.00	8.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2021			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2021			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2021	7.67	7.77	Q
		CC-6	Plant Systematics	8	6	48	2021			
		CC-7	Economic Botany	7	6	42	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2021			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	8.00	8.00	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2022			
		CC-10	Molecular Biology	8	6	48	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2022			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2022	6.75	6.75	Q
		CC-12	Plant Metabolism	6	6	36	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	6	6	36	2022			
		DSE-2	Natural Resource Management	8	6	48	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2023	7.75	7.75	Q
		CC-14	Plant Biotechnology	8	6	48	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	8	6	48	2023			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.70										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SHIBNATH BISWAS

Roll No. 20033100091

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	5.75	5.75	Q
		CC-12	Mechanics I	4	6	24	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	5	6	30	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2023	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.44							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.69										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SHIRIN SULTANA

Roll No. 20033100092

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	8	6	48	2020	8.50	8.18	Q
		CC-2	Bacteriology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2021	9.00	8.90	Q
		CC-4	Virology	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	7	6	42	2021	7.67	8.00	Q
		CC-6	Cell Biology	7	6	42	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2022	8.67	8.77	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2022	8.25	8.25	Q
		CC-12	Immunology	8	6	48	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2023	8.00	8.00	Q
		CC-14	Recombinant DNA Technology	8	6	48	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.34										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

= (SGPA or CGPA × 10) - 5.0
 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SHREYASI MONDAL

Roll No. 20033100093

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.50	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2021	8.50	8.60	Q
		CC-4	Cell Biology	8	6	48	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.33	9.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2021			
	ZOOLOGY	SEC-1	Apiculture	10	2	20	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2022			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2022				
V	ZOOLOGY	CC-11	Molecular Biology	7	6	42	2022	7.00	7.00	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	7	6	42	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2023	7.25	7.25	Q
		CC-14	Evolutionary Biology	8	6	48	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2023			
		DSE-4	Endocrinology	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.17							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.24										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SHUBHADIP SARKAR

Roll No. 200331000094

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2020	9.50	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2021	9.33	9.31	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2022	8.67	8.62	Q
		CC-9	Multivariate Calculus	9	6	54	2022			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2022			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	6.00	6.00	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2022			
		DSE-2	Probability & Statistics	6	6	36	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	7	6	42	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.17							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.39										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : **SK ASLAM**

Roll No. **20033100095**

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2022	7.75	7.75	Q
		CC-12	Mechanics I	7	6	42	2022			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2022			
		DSE-2	Probability & Statistics	7	6	42	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2023	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.89							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.99										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SK SANOWAR

Roll No. 200331000097

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2020	8.50	9.00	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.30	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2022	6.25	6.25	Q
		CC-12	Solid State Physics	6	6	36	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2022			
		DSE-2	Classical Dynamics	5	6	30	2022			
		PHYSICS	CC-13	Electromagnetic Theory	7	6	42			
VI	PHYSICS	CC-14	Statistical Mechanics	7	6	42	2023	7.25	7.25	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36			
	PHYSICS		DSE-4	Astronomy and Astrophysics	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.94								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.28										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SOHAM DAS

Roll No. 20033100098

Honours: CHEMISTRY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	CHEMISTRY	CC-1	Organic Chemistry-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Physical Chemistry-I	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	10	6	60	2021	10.00	9.90	Q
		CC-4	Organic Chemistry-II	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2021	9.00	9.00	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2021			
		CC-7	Organic Chemistry-III	9	6	54	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2021			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2022	9.00	9.08	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2022			
		CC-10	Organic Chemistry - IV	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2022			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2022	7.00	7.00	Q
		CC-12	Organic Chemistry-V	8	6	48	2022			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2022			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2022			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	7	6	42	2023	7.50	7.50	Q
		CC-14	Physical Chemistry-IV	6	6	36	2023			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2023			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.33							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.59										


Date of Publication of Result : 25.08.2023

$$SGPA(S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SOUMYADEEP ACHARYA

Roll No. 200331000101

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.27	Q
		CC-2	Bacteriology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2021	10.00	9.90	Q
		CC-4	Virology	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2021	9.00	8.92	Q
		CC-6	Cell Biology	9	6	54	2021			
		CC-7	Molecular Biology	9	6	54	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	8.67	8.77	Q
		CC-9	Environmental Microbiology	9	6	54	2022			
		CC-10	Food and Dairy Microbiology	8	6	48	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-12	Immunology	9	6	54	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2023	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	8	6	48	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.00							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.07										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs <5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	90% to 100%	10	80% and above but below 90%
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

= (SGPA or CGPA × 10) - 5.0
 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SRIMONTA MONDAL

Roll No. 200331000104

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2020	8.00	8.45	Q
		CC-2	Archegoniatae	8	6	48	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2021	9.00	8.90	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2021			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2021	8.33	8.54	Q
		CC-6	Plant Systematics	8	6	48	2021			
		CC-7	Economic Botany	8	6	48	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
BOTANY	SEC-1	Agricultural Botany	9	2	18	2021				
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2022	9.00	8.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2022			
		CC-10	Molecular Biology	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2022			
BOTANY	SEC-2	Biofertilizers	9	2	18	2022				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2022	8.50	8.50	Q
		CC-12	Plant Metabolism	8	6	48	2022			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2022			
		DSE-2	Natural Resource Management	9	6	54	2022			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2023	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2023			
	BOTANY	DSE-3	Phytoremediation & Immunology	9	6	54	2023			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.67							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.69										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.
AECC – Ability Enhancement Compulsory Course					

Grade Point Norms	Grade Point Norms		Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	Grade Point	Percentage	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SUBHANKAR PAL

Roll No. 200331000105

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.36	Q
		CC-2	Algebra	10	6	60	2020			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.90	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	COMPUTER SCIENCE	GE-2	Database Management Systems	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	9.67	9.54	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2022			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	6	6	36	2022	5.50	5.50	Q
		CC-12	Mechanics I	5	6	30	2022			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2022			
		DSE-2	Probability & Statistics	6	6	36	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.50	6.50	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2023			
	MATHEMATICS	DSE-3	Project Work	8	6	48	2023			
		DSE-4	Mechanics II	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.17							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.41										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SUCHETA DE

Roll No. 200331000106

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	8.73	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2021	9.50	9.30	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2021	9.00	8.77	Q
		CC-6	Circulation	9	6	54	2021			
		CC-7	Functions of The Nervous System	9	6	54	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2022	9.33	9.00	Q
		CC-9	Gastrointestinal Function	9	6	54	2022			
		CC-10	Respiration	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2022			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2022			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2022	8.75	8.75	Q
		CC-12	Endocrinology	8	6	48	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	9	6	54	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2023	8.75	8.75	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.00							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.87										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name :SUCHITRA GHOSAL

Roll No. 200331000107

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	9	6	54	2020	9.00	9.00	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2021	10.00	9.60	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2021	9.67	9.54	Q
		CC-6	Circulation	10	6	60	2021			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2022	9.33	9.08	Q
		CC-9	Gastrointestinal Function	9	6	54	2022			
		CC-10	Respiration	9	6	54	2022			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2022			
PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2022				
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2022	8.50	8.50	Q
		CC-12	Endocrinology	8	6	48	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	9	6	54	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2023	8.50	8.50	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.06							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.03										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Letter Grade	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SUNANDA CHATTERJEE

Roll No. 200331000108

Honours: MICROBIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MICROBIOLOGY	CC-1	Introduction to Microbiology and Microbial Diversity	9	6	54	2020	9.00	9.27	Q
		CC-2	Bacteriology	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2021	10.00	9.90	Q
		CC-4	Virology	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	10	6	60	2021	9.33	9.23	Q
		CC-6	Cell Biology	8	6	48	2021			
		CC-7	Molecular Biology	10	6	60	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2021			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2021			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2022	9.33	9.31	Q
		CC-9	Environmental Microbiology	10	6	60	2022			
		CC-10	Food and Dairy Microbiology	9	6	54	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2022			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-12	Immunology	9	6	54	2022			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2022			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2022			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2023	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2023			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2023			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.22							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.27										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SUPRIYO BAHARA

Roll No. 200331000110

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	10	6	60	2020	10.00	9.82	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2021	10.00	9.60	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2021			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2021	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2021			
		CC-7	Numerical Methods	10	6	60	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2021			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2022	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2022			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2022			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2022	4.75	4.75	Q
		CC-12	Mechanics I	4	6	24	2022			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2022			
		DSE-2	Probability & Statistics	4	6	24	2022			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2023	6.50	6.50	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2023			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2023			
		DSE-4	Mechanics II	6	6	36	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.06							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.35										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SURANJANA SINHA

Roll No. 200331000111

Honours: ZOOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	ZOOLOGY	CC-1	Non-chordates I	8	6	48	2020	8.50	8.45	Q
		CC-2	Ecology	9	6	54	2020			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	ZOOLOGY	CC-3	Non-chordates II	10	6	60	2021	9.50	9.30	Q
		CC-4	Cell Biology	9	6	54	2021			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	ZOOLOGY	CC-5	Chordates	10	6	60	2021	9.67	9.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	10	6	60	2021			
		CC-7	Fundamentals of Biochemistry	9	6	54	2021			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	9	6	54	2021			
	ZOOLOGY	SEC-1	Apiculture	10	2	20	2021			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	10	6	60	2022	9.33	9.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2022			
		CC-10	Immunology	9	6	54	2022			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2022			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2022				
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2022	6.50	6.50	Q
		CC-12	Genetics	8	6	48	2022			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2022			
		DSE-2	Parasitology	6	6	36	2022			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2023	8.00	8.00	Q
		CC-14	Evolutionary Biology	7	6	42	2023			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2023			
		DSE-4	Endocrinology	8	6	48	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.51										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : SWAPNIL ROY

Roll No. 200331000112

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	9.00	9.27	Q
		CC-2	Mechanics	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2021	9.50	9.60	Q
		CC-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2021	8.67	8.77	Q
		CC-6	Thermal Physics	8	6	48	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	10	6	60	2022	9.33	9.31	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2022	9.00	9.00	Q
		CC-12	Solid State Physics	9	6	54	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2022			
		DSE-2	Classical Dynamics	9	6	54	2022			
		PHYSICS	CC-13	Electromagnetic Theory	9	6	54			
VI	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2023	9.25	9.25	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54			
	PHYSICS		DSE-4	Astronomy and Astrophysics	10	6	60			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.18										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^N (V_i \times S_i)}{\sum_{i=1}^N V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : TANIA PAL

Roll No. 200331000114

Honours: PHYSIOLOGY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSIOLOGY	CC-1	Cellular Basis of Physiology	10	6	60	2020	9.50	9.27	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2021	10.00	9.90	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2021			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2021	10.00	9.54	Q
		CC-6	Circulation	10	6	60	2021			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2021			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2021			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2022	9.67	9.54	Q
		CC-9	Gastrointestinal Function	9	6	54	2022			
	PHYSIOLOGY	CC-10	Respiration	10	6	60	2022			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2022			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2022	8.50	8.50	Q
		CC-12	Endocrinology	8	6	48	2022			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2022			
		DSE-2	Sports and Exercise Physiology	9	6	54	2022			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2023	8.50	8.50	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2023			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2023			
		DSE-4	Toxicology	9	6	54	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.22							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.20										

Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	9 and above	O (Outstanding)	5 to below 6	B (Average)	Q – Qualified
GE – Generic Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	7 to below 8	A (Very Good)	Below 4	F (Fail)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs < 5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms	Percentage Conversion Formula:		
	Percentage	Grade Point	
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

*Letter Grade in CGPA is awarded on the basis of CCs and DSEs



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name : TARAK NATH LET

Roll No. 200331000115

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2020	9.00	9.00	Q
		CC-2	Mechanics	9	6	54	2020			
	COMPUTER SCIENCE	GE-1	Problem Solving using Computer	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2021	9.00	9.00	Q
		CC-4	Waves and Optics	9	6	54	2021			
	COMPUTER SCIENCE	GE-2	Database Management Systems	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	PHYSICS	CC-5	Mathematical Physics-II	10	6	60	2021	9.33	9.46	Q
		CC-6	Thermal Physics	9	6	54	2021			
		CC-7	Digital Systems and Applications	9	6	54	2021			
	MATHEMATICS	GE-3	Real Analysis	10	6	60	2021			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2021			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2022	9.00	9.23	Q
		CC-9	Elements of Modern Physics	9	6	54	2022			
		CC-10	Analog Systems & Applications	9	6	54	2022			
	MATHEMATICS	GE-4	Algebra	10	6	60	2022			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2022			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2022	5.00	5.00	Q
		CC-12	Solid State Physics	5	6	30	2022			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2022			
		DSE-2	Classical Dynamics	4	6	24	2022			
VI	PHYSICS	CC-13	Electromagnetic Theory	4	6	24	2023	4.75	4.75	Q
		CC-14	Statistical Mechanics	5	6	30	2023			
	PHYSICS	DSE-3	Nuclear and Particle Physics	5	6	30	2023			
		DSE-4	Astronomy and Astrophysics	5	6	30	2023			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.22							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.73										


Date of Publication of Result : 25.08.2023

$$SGPA (S) = \frac{\sum_{i=1}^n (G_i \times V_i)}{\sum_{i=1}^n V_i} \quad CGPA = \frac{\sum_{i=1}^n (V_i \times S_i)}{\sum_{i=1}^n V_i}$$

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs.<5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
	90% to 100%	10	80% and above but below 90%	9	
	70% and above but below 80%	8	60% and above but below 70%	7	
	50% and above but below 60%	6	40% and above but below 50%	5	
	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	