



THE UNIVERSITY OF BURDWAN
B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2022 UNDER CBCS
GRADE CARD

Name : AAYUSHEE CHATTERJEE

Roll No. 19033100001

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	7	6	42	2019	7.00	6.82	Q
		CC-2	Bacteriology	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	8.80	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	9.00	9.00	Q
		CC-6	Cell Biology	9	6	54	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	10	6	60	2021	10.00	10.00	Q
		CC-9	Environmental Microbiology	10	6	60	2021			
		CC-10	Food and Dairy Microbiology	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2021				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2021	8.75	8.75	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.77										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ABHISHEK GHOSHAL

Roll No. 19033100002

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	2019	9.00	8.18	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2020	10.00	9.60	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	10.00	9.77	Q
		CC-6	Circulation	10	6	60	2020			
	PHYSIOLOGY	CC-7	Functions of The Nervous System	10	6	60	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
IV	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2020	10.00	9.77	Q
		CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2021			
		CC-9	Gastrointestinal Function	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
V	PHYSIOLOGY	CC-10	Respiration	10	6	60	2021	9.75	9.75	Q
		PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20			
	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2021			
		CC-12	Endocrinology	10	6	60	2021			
VI	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2021	10.00	10.00	Q
		DSE-2	Sports and Exercise Physiology	10	6	60	2021			
	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2022			
		CC-14	Formation and Excretion of Urine	10	6	60	2022			
PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2022				
	DSE-4	Toxicology	10	6	60	2022				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.83							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.54										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : AGAMONI GHOSH

Roll No. 19033100003

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	2019	8.00	7.64	Q
		CC-2	Physical Chemistry-I	8	6	48	2019			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	9.00	8.70	Q
		CC-4	Organic Chemistry-II	9	6	54	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	9.00	9.15	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	10	6	60	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	10.00	9.77	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2021			
		CC-10	Organic Chemistry - IV	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	10	6	60	2021	9.75	9.75	Q
		CC-12	Organic Chemistry-V	10	6	60	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.39							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.17										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : AKASH MAL

Roll No. 190331000004

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	6	6	36	2019	6.00	6.00	Q
		CC-2	Biological Physics and Enzymes	6	6	36	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	7	6	42	2020	7.00	7.00	Q
		CC-4	Chemistry of Biomolecules	7	6	42	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2020	8.00	8.23	Q
		CC-6	Circulation	7	6	42	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	8.77	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	7.75	7.75	Q
		CC-12	Endocrinology	7	6	42	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2021			
		DSE-2	Ergonomics and Occupational Physiology	8	6	48	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2022	8.00	8.00	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2022			
		DSE-4	Toxicology	8	6	48	2022			
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 : 7.69										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ANIK MUKHOPADHYAY

Roll No. 190331000006

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	6	6	36	2019	7.00	6.73	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2020	9.00	8.70	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	9.33	8.92	Q
		CC-6	Circulation	9	6	54	2020			
		CC-7	Functions of The Nervous System	9	6	54	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	8.77	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	7.75	7.75	Q
		CC-12	Endocrinology	7	6	42	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2021			
		DSE-2	Sports and Exercise Physiology	8	6	48	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2022	8.25	8.25	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2022			
		DSE-4	Toxicology	8	6	48	2022			
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 : 8.21										


Date of Publication of Result : 29.07.2022

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

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
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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 2022 UNDER CBCS
GRADE CARD

Name : ANIMESH CHATTERJEE

Roll No. 19033100007

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	6	6	36	2019	6.00	5.73	Q
		CC-2	Biological Physics and Enzymes	6	6	36	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2020	8.00	7.90	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2020	8.33	8.23	Q
		CC-6	Circulation	8	6	48	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	9.00	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	8.75	8.75	Q
		CC-12	Endocrinology	9	6	54	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2021			
		DSE-2	Sports and Exercise Physiology	9	6	54	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2022	8.75	8.75	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2022			
		DSE-4	Toxicology	9	6	54	2022			
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 : 8.11										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ANJALI CHOWDHURY

Roll No. 19033100008

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	5	6	30	2019	5.00	5.73	Q
		CC-2	Bacteriology	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	7	6	42	2020	7.00	7.40	Q
		CC-4	Virology	7	6	42	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	6	6	36	2020	6.67	7.08	Q
		CC-6	Cell Biology	7	6	42	2020			
		CC-7	Molecular Biology	7	6	42	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	5	2	10	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	8	6	48	2021	7.67	8.00	Q
		CC-9	Environmental Microbiology	8	6	48	2021			
		CC-10	Food and Dairy Microbiology	7	6	42	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	8	2	16	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	7	6	42	2021	7.25	7.25	Q
		CC-12	Immunology	7	6	42	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	7	6	42	2022	7.00	7.00	Q
		CC-14	Recombinant DNA Technology	7	6	42	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	7	6	42	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	7	6	42	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 6.89							Letter Grade in CGPA : B+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.10										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ANWESA PAL

Roll No. 190331000010

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	7	6	42	2019	6.50	7.27	Q
		CC-2	Algebra	6	6	36	2019			
	PHYSICS	GE-1	Mechanics	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2020	9.00	9.00	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2020			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.50							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.39										

Date of Publication of Result : 29.07.2022

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

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
	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 2022 UNDER CBCS
GRADE CARD

Name : ANWITA BHATTACHARYA

Roll No. 19033100011

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	2019	8.50	8.36	Q
		CC-2	Ecology	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2020	9.00	9.00	Q
		CC-4	Cell Biology	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	8.33	8.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	8	6	48	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.25	9.25	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2022	9.25	9.25	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.89										

Date of Publication of Result : 29.07.2022

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

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%	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 2022 UNDER CBCS
GRADE CARD

Name : APURBA MANDAL

Roll No. 19033100012

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	6	6	36	2019	6.50	7.00	Q
		CC-2	Mechanics	7	6	42	2019			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.10	Q
		CC-4	Waves and Optics	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.50	9.50	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	9	6	54	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.25	9.25	Q
		CC-14	Statistical Mechanics	9	6	54	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
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 : 8.69										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : APURBA MONDAL

Roll No. 19033100013

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	2019	7.00	7.00	Q
		CC-2	Physical Chemistry-I	6	6	36	2019			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	9.00	8.90	Q
		CC-4	Organic Chemistry-II	9	6	54	2020			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	8.67	8.69	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	9.33	9.31	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	9	6	54	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.00	9.00	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2022	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 8.68										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ARIJIT DAS

Roll No. 19033100014

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	2019	8.00	8.09	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2020	9.00	8.90	Q
		CC-4	Cell Biology	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	7.33	7.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2020			
ZOOLOGY	SEC-1	Apiculture	7	2	14	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2021	8.00	8.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2021			
		CC-10	Immunology	8	6	48	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2021				
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2021	8.25	8.25	Q
		CC-12	Genetics	8	6	48	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	8	6	48	2021			
		DSE-2	Parasitology	8	6	48	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.00	8.00	Q
		CC-14	Evolutionary Biology	7	6	42	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	8	6	48	2022			
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 : 8.13										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **ARIJIT MONDAL**Roll No. **190331000015**

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	2019	6.50	7.27	Q
		CC-2	Ecology	6	6	36	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.30	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	7.67	7.92	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	6	6	36	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2021	8.33	8.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	8	6	48	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.00	9.00	Q
		CC-12	Genetics	8	6	48	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	8	6	48	2022			
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 : 8.25										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ARITRA MANDAL

Roll No. 190331000016

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	7	6	42	2019	7.00	7.27	Q
		CC-2	Bacteriology	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	9.00	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	9.00	9.00	Q
		CC-6	Cell Biology	9	6	54	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	10	6	60	2021	9.67	9.54	Q
		CC-9	Environmental Microbiology	10	6	60	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2021	9.00	9.00	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2021			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.83										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ARPAN GHOSHAL

Roll No. 19033100017

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	5	6	30	2019	4.50	5.91	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.93										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ARUP MAL

Roll No. 190331000018

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	5	6	30	2019	5.50	5.73	Q
		CC-2	Archegoniatae	6	6	36	2019			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2020	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.33	8.23	Q
		CC-6	Plant Systematics	8	6	48	2020			
		CC-7	Economic Botany	8	6	48	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2020			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	9.33	9.31	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	9	6	54	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2021			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	8.75	8.75	Q
		CC-12	Plant Metabolism	9	6	54	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2021			
		DSE-2	Natural Resource Management	9	6	54	2021			
		CC-13	Genetics & Plant Breeding	9	6	54	2022			
VI	BOTANY	CC-14	Plant Biotechnology	7	6	42	2022	8.00	8.00	Q
		DSE-3	Plant Evolution & Biodiversity	8	6	48	2022			
	BOTANY	DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.17								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.06										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ASHIQUR RAHAMAN

Roll No. 19033100019

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	5	6	30	2019	6.50	6.82	Q
		CC-2	Mechanics	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.10	Q
		CC-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	MATHEMATICS	GE-3	Real Analysis	9	6	54	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.23	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	MATHEMATICS	GE-4	Algebra	10	6	60	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2021	9.00	9.00	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2021			
		DSE-2	Classical Dynamics	9	6	54	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.00	9.00	Q
		CC-14	Statistical Mechanics	9	6	54	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
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 : 8.58										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : ASMATARA KHATUN

Roll No. 19033100020

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	7	6	42	2019	6.50	6.73	Q
		CC-2	Bacteriology	6	6	36	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2020	8.00	8.10	Q
		CC-4	Virology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2020	8.33	8.54	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	8.00	8.00	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2022	8.00	8.00	Q
		CC-14	Recombinant DNA Technology	8	6	48	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2022			
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 : 8.10										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **ATIKA BEGUM**Roll No. **19033100021**

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	2020	9.00	9.40	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	10	6	60	2020			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2020	8.67	8.77	Q
		CC-6	Circulation	9	6	54	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	9.00	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	8.50	8.50	Q
		CC-12	Endocrinology	8	6	48	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2021			
		DSE-2	Sports and Exercise Physiology	9	6	54	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2022	8.25	8.25	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2022			
		DSE-4	Toxicology	9	6	54	2022			
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 : 8.76										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **BHASKAR GARAI**Roll No. **19033100022**

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	5	6	30	2019	6.00	6.45	Q
		CC-2	Algebra	7	6	42	2019			
	PHYSICS	GE-1	Mechanics	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	8.00	8.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.28							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.13										


Date of Publication of Result : 29.07.2022

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

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: = (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 2022 UNDER CBCS
GRADE CARD

Name : **BIKRAM GHOSH**Roll No. **19033100023**

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	7.00	7.09	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.00	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	9	6	54	2020	9.67	9.54	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
IV	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020	10.00	10.00	Q
		CC-8	Riemann Integration and Series of Functions	10	6	60	2021			
		CC-9	Multivariate Calculus	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
V	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021	10.00	10.00	Q
		CC-11	Partial Differential Equations and Applications	10	6	60	2021			
	MATHEMATICS	CC-12	Mechanics I	10	6	60	2021			
		DSE-1	Linear Programming	10	6	60	2021			
VI	MATHEMATICS	DSE-2	Probability & Statistics	10	6	60	2021	10.00	10.00	Q
		CC-13	Metric Spaces and Complex Analysis	10	6	60	2022			
	CC-14	Ring Theory and Linear Algebra II	10	6	60	2022				
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
DSE-4		Mechanics II	10	6	60	2022				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.28							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 : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **BISWAJIT CHAKRABARTY**Roll No. **19033100024**

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	7	6	42	2019	7.50	7.00	Q
		CC-2	Bacteriology	8	6	48	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	8.80	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	8.67	8.54	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.23	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	8.25	8.25	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.49										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **BISWAJIT CHAKRABORTY**Roll No. **19033100025**

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	6	6	36	2019	6.50	7.00	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	7.50	7.70	Q
		CC-4	Cell Biology	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.00	8.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.00	9.00	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	8	6	48	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.32										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **BISWAJIT CHOWDHURY**Roll No. **190331000026**

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	8	6	48	2020	8.50	7.09	Q
		CC-2	Algebra	9	6	54	2020			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.50	6.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	9.67	9.31	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2021	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.28							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 : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **BISWAJIT GHOSH**Roll No. **19033100027**

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	5	6	30	2019	6.00	6.73	Q
		CC-2	Mechanics	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.20	Q
		CC-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	8.77	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.23	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	MATHEMATICS	GE-4	Algebra	10	6	60	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.50	9.50	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2021			
		DSE-2	Classical Dynamics	10	6	60	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.25	9.25	Q
		CC-14	Statistical Mechanics	10	6	60	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.66										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : CHANCHARIKA CHANDRA

Roll No. 19033100028

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	2019	7.50	7.55	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.00	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	8.00	8.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2020			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.25	9.25	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.41										

Date of Publication of Result : 29.07.2022

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

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%	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 2022 UNDER CBCS
GRADE CARD

Name : CHANDAN ROY

Roll No. 19033100029

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	5	6	30	2019	5.00	5.18	Q
		CC-2	Physical Chemistry-I	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2020	7.00	7.10	Q
		CC-4	Organic Chemistry-II	7	6	42	2020			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2020	6.33	6.62	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2020			
		CC-7	Organic Chemistry-III	6	6	36	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2020			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	5	2	10	2020				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2021	8.00	8.00	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2021			
		CC-10	Organic Chemistry - IV	8	6	48	2021			
	PHYSICS	GE-4	Waves and Optics	8	6	48	2021			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2021				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2021	7.75	7.75	Q
		CC-12	Organic Chemistry-V	7	6	42	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2021			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2022	8.25	8.25	Q
		CC-14	Physical Chemistry-IV	8	6	48	2022			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.28							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.18										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : DEBIKA HALDER

Roll No. 190331000030

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	2019	7.00	7.09	Q
		CC-2	Archegoniatae	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2020	9.33	9.00	Q
		CC-6	Plant Systematics	9	6	54	2020			
		CC-7	Economic Botany	9	6	54	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
BOTANY	SEC-1	Agricultural Botany	9	2	18	2020				
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	10.00	9.69	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
BOTANY	SEC-2	Biofertilizers	9	2	18	2021				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2021	9.75	9.75	Q
		CC-12	Plant Metabolism	10	6	60	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2021			
		DSE-2	Natural Resource Management	10	6	60	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2022			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.17							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.92										

Date of Publication of Result : 29.07.2022

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

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.
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 2022 UNDER CBCS
GRADE CARD

Name : DEBNATH ROY

Roll No. 19033100031

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	2019	6.50	6.73	Q
		CC-2	Archegoniatae	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2020	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.00	7.85	Q
		CC-6	Plant Systematics	7	6	42	2020			
		CC-7	Economic Botany	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2021	8.67	8.46	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2021			
		CC-10	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2021			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2021			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2021	7.75	7.75	Q
		CC-12	Plant Metabolism	7	6	42	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2021			
		DSE-2	Natural Resource Management	9	6	54	2021			
		CC-13	Genetics & Plant Breeding	9	6	54	2022			
VI	BOTANY	CC-14	Plant Biotechnology	8	6	48	2022	8.25	8.25	Q
		DSE-3	Plant Evolution & Biodiversity	8	6	48	2022			
	BOTANY	DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			

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 : **7.86**

Date of Publication of Result : 29.07.2022

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

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.
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 2022 UNDER CBCS
GRADE CARD

Name : DIBYENDU BHATTACHARYYA

Roll No. 19033100033

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	2019	8.00	7.09	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2020	9.00	8.60	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	9.67	9.31	Q
		CC-6	Circulation	10	6	60	2020			
		CC-7	Functions of The Nervous System	9	6	54	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2021	10.00	9.77	Q
		CC-9	Gastrointestinal Function	10	6	60	2021			
		CC-10	Respiration	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2021			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2021	9.50	9.50	Q
		CC-12	Endocrinology	9	6	54	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2021			
		DSE-2	Sports and Exercise Physiology	10	6	60	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2022	9.75	9.75	Q
		CC-14	Formation and Excretion of Urine	10	6	60	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	10	6	60	2022			
		DSE-4	Toxicology	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.44							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.06										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **DIP KUNDU**Roll No. **190331000034**

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	6	6	36	2019	5.50	5.73	Q
		CC-2	Mechanics	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.00	Q
		CC-4	Waves and Optics	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	10	6	60	2021			
		PHYSICS	CC-13	Electromagnetic Theory	9	6	54			
VI	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2022	9.00	9.00	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54			
	PHYSICS		DSE-4	Astronomy and Astrophysics	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.67								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.48										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : DITTU KUNDU

Roll No. 190331000035

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	2019	6.50	7.00	Q
		CC-2	Archegoniatae	7	6	42	2019			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2020	7.67	7.62	Q
		CC-6	Plant Systematics	7	6	42	2020			
		CC-7	Economic Botany	8	6	48	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2020			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2021	9.00	8.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	9	6	54	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2021			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2021			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	7.75	7.75	Q
		CC-12	Plant Metabolism	7	6	42	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2021			
		DSE-2	Natural Resource Management	8	6	48	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	8.25	8.25	Q
		CC-14	Plant Biotechnology	8	6	48	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2022			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			
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 : 8.01										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : FARDDIN ALI KHAN

Roll No. 19033100036

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	2019	6.50	7.45	Q
		CC-2	Physical Chemistry-I	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	8.00	8.40	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	8.67	8.77	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	9.67	9.54	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	10	6	60	2021	9.50	9.50	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.94										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : GOSTHO GOPAL JAMADAR

Roll No. 19033100037

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	2019	6.00	6.18	Q
		CC-2	Physical Chemistry-I	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	8.00	8.00	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2020	8.00	8.15	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	9	6	54	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2022	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 8.31										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : HASNA ZEBA

Roll No. 19033100038

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	2019	7.00	6.55	Q
		CC-2	Archegoniatae	8	6	48	2019			
	ZOOLOGY	GE-1	Animal Diversity	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2020	9.00	9.23	Q
		CC-6	Plant Systematics	9	6	54	2020			
		CC-7	Economic Botany	8	6	48	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	10	6	60	2020			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	9.67	9.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2021			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	9.25	9.25	Q
		CC-12	Plant Metabolism	9	6	54	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2021			
		DSE-2	Natural Resource Management	10	6	60	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2022			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			
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 : 8.72										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : HRISIKESH BHATTACHARYA

Roll No. 19033100039

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	8.73	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	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	9.77	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2022	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.50							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.17										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : INDRANIL DAS

Roll No. 190331000040

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	6	6	36	2019	6.50	6.00	Q
		CC-2	Biological Physics and Enzymes	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2020	8.00	8.00	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	8.67	8.54	Q
		CC-6	Circulation	8	6	48	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	9.08	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2021			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2021	9.00	9.00	Q
		CC-12	Endocrinology	9	6	54	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2021			
		DSE-2	Sports and Exercise Physiology	9	6	54	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2022	9.00	9.00	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2022			
		DSE-4	Toxicology	9	6	54	2022			
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 : 8.32										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **JIT ACHARYA**Roll No. **190331000041**

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	5	6	30	2019	4.50	5.18	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.83										

Date of Publication of Result : 29.07.2022

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

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
	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 2022 UNDER CBCS
GRADE CARD

Name : KALLOL LOHAR

Roll No. 19033100042

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	5	6	30	2019	5.50	6.18	Q
		CC-2	Archegoniatae	6	6	36	2019			
	ZOOLOGY	GE-1	Animal Diversity	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2020	7.50	7.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2020	7.33	7.38	Q
		CC-6	Plant Systematics	7	6	42	2020			
		CC-7	Economic Botany	7	6	42	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2020			
	BOTANY	SEC-1	Agricultural Botany	6	2	12	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2021	8.00	8.00	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2021			
		CC-10	Molecular Biology	8	6	48	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2021			
	BOTANY	SEC-2	Biofertilizers	8	2	16	2021			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	7.75	7.75	Q
		CC-12	Plant Metabolism	7	6	42	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2021			
		DSE-2	Natural Resource Management	8	6	48	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2022	7.50	7.50	Q
		CC-14	Plant Biotechnology	7	6	42	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2022			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2022			
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 : 7.44										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : KRIPALI MONDAL

Roll No. 19033100043

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	2019	7.00	7.00	Q
		CC-2	Ecology	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.00	8.15	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	6	6	36	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	8.92	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2021				
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.25	9.25	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2022	9.25	9.25	Q
		CC-14	Evolutionary Biology	9	6	54	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	10	6	60	2022			
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 : 8.52										

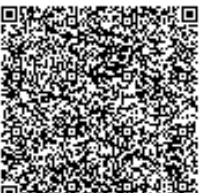
Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : KRISHNA GARAIN

Roll No. 19033100044

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	5	6	30	2019	4.50	6.18	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.80	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
IV	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020	10.00	10.00	Q
		CC-8	Riemann Integration and Series of Functions	10	6	60	2021			
		CC-9	Multivariate Calculus	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
V	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021	10.00	10.00	Q
		CC-11	Partial Differential Equations and Applications	10	6	60	2021			
	MATHEMATICS	CC-12	Mechanics I	10	6	60	2021			
		DSE-1	Linear Programming	10	6	60	2021			
VI	MATHEMATICS	DSE-2	Probability & Statistics	10	6	60	2021	10.00	10.00	Q
		CC-13	Metric Spaces and Complex Analysis	10	6	60	2022			
	CC-14	Ring Theory and Linear Algebra II	10	6	60	2022				
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
DSE-4		Mechanics II	10	6	60	2022				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.06										

Date of Publication of Result : 29.07.2022

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

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)

= (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 2022 UNDER CBCS
GRADE CARD

Name : KRISHNA GOPAL MONDAL

Roll No. 19033100045

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	2019	5.50	6.27	Q
		CC-2	Algebra	5	6	30	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	8.00	8.10	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
IV	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020	10.00	10.00	Q
		CC-8	Riemann Integration and Series of Functions	10	6	60	2021			
		CC-9	Multivariate Calculus	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
V	MATHEMATICS	CC-10	Ring Theory and Linear Algebra I	10	6	60	2021	10.00	10.00	Q
		CC-11	Partial Differential Equations and Applications	10	6	60	2021			
	MATHEMATICS	MECHANICS I	10	6	60	2021				
		DSE-1	Linear Programming	10	6	60	2021			
VI	MATHEMATICS	DSE-2	Probability & Statistics	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022			
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
MATHEMATICS	DSE-3	Project Work	10	6	60	2022				
	DSE-4	Mechanics II	10	6	60	2022				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.28							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.11										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **KUNTAL BHALLA**Roll No. **190331000046**

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	2019	7.00	7.00	Q
		CC-2	Archegoniatae	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.50	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.00	7.77	Q
		CC-6	Plant Systematics	7	6	42	2020			
		CC-7	Economic Botany	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2020			
BOTANY	SEC-1	Agricultural Botany	8	2	16	2020				
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2021	8.67	8.46	Q
		CC-9	Biomolecules and Cell Biology	8	6	48	2021			
		CC-10	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2021			
BOTANY	SEC-2	Biofertilizers	8	2	16	2021				
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	8.00	8.00	Q
		CC-12	Plant Metabolism	8	6	48	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2021			
		DSE-2	Natural Resource Management	8	6	48	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	6	6	36	2022	6.25	6.25	Q
		CC-14	Plant Biotechnology	6	6	36	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	6	6	36	2022			
		DSE-4	Industrial and Environmental Microbiology	7	6	42	2022			
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 : 7.66										

Date of Publication of Result : 29.07.2022

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

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.
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 2022 UNDER CBCS
GRADE CARD

Name : **LOKENATH DUTTA**Roll No. **190331000048**

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	5	6	30	2019	5.00	5.64	Q
		CC-2	Mechanics	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	7.90	Q
		CC-4	Waves and Optics	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.00	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.23	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.50	9.50	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	9	6	54	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.00	9.00	Q
		CC-14	Statistical Mechanics	9	6	54	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
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 : 8.45										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : MD NOUSHEEM FARDEEN

Roll No. 19033100050

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	2019	8.50	7.91	Q
		CC-2	Bacteriology	9	6	54	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	10	6	60	2020	10.00	9.40	Q
		CC-4	Virology	10	6	60	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	9.00	8.85	Q
		CC-6	Cell Biology	9	6	54	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	10	2	20	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	10	6	60	2021	10.00	9.69	Q
		CC-9	Environmental Microbiology	10	6	60	2021			
		CC-10	Food and Dairy Microbiology	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	10	6	60	2021	9.25	9.25	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2021			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	10	6	60	2022	9.75	9.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	10	6	60	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.44							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 : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : MD SAHANOWAZ HOSSAIN

Roll No. 19033100052

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	5	6	30	2019	4.50	5.64	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.90										

Date of Publication of Result : 29.07.2022

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

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%	9	Percentage Conversion Formula: = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
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 2022 UNDER CBCS
GRADE CARD

Name : MD SOHEL

Roll No. 19033100053

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	5	6	30	2019	5.00	5.91	Q
		CC-2	Algebra	5	6	30	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2022	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.86										

Date of Publication of Result : 29.07.2022

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

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%	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 2022 UNDER CBCS
GRADE CARD

Name : MEGHNATH CHOWDHURY

Roll No. 19033100054

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	4	6	24	2019	4.00	5.18	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	6.90	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.73										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : MONSUR ALI SK

Roll No. 19033100055

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	6	6	36	2019	5.50	6.27	Q
		CC-2	Physical Chemistry-I	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	8.00	8.10	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	8.67	8.69	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	9.33	9.31	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	9	6	54	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 8.54										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : MOUMI HALDER

Roll No. 19033100057

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	2019	8.00	7.91	Q
		CC-2	Ecology	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.50	8.70	Q
		CC-4	Cell Biology	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.33	8.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
ZOOLOGY	SEC-1	Apiculture	8	2	16	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	10	6	60	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.50	9.50	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	10	6	60	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	9	6	54	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.72							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.73										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : MOUMITA DAS

Roll No. 190331000058

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	2019	5.00	6.45	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.50	8.10	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	9.00	9.08	Q
		CC-6	Group Theory I	8	6	48	2020			
		CC-7	Numerical Methods	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2021	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.93										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : OMIRUL ALI

Roll No. 190331000059

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	4	6	24	2019	4.00	5.18	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.30	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.83										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : PARTHA MAJI

Roll No. 19033100060

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	5	6	30	2019	4.50	5.64	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.40	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.92										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : POLY FULMALI

Roll No. 19033100061

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	6	6	36	2019	5.50	5.55	Q
		CC-2	Biological Physics and Enzymes	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	7	6	42	2020	7.00	7.40	Q
		CC-4	Chemistry of Biomolecules	7	6	42	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2020	8.33	8.23	Q
		CC-6	Circulation	8	6	48	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	9.00	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	8.50	8.50	Q
		CC-12	Endocrinology	8	6	48	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2021			
		DSE-2	Sports and Exercise Physiology	9	6	54	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2022	8.50	8.50	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48	2022			
		DSE-4	Toxicology	9	6	54	2022			
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 : 7.93										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : PRITAM BANERJEE

Roll No. 19033100062

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	2019	6.50	6.45	Q
		CC-2	Physical Chemistry-I	6	6	36	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	8.50	8.40	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	9.00	9.00	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	9.67	9.54	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	10	6	60	2021	9.50	9.50	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.75	9.75	Q
		CC-14	Physical Chemistry-IV	10	6	60	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2022			
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 : 8.83										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : PRITAM DEY

Roll No. 190331000063

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	5	6	30	2019	4.50	5.45	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	10.00	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.97										

Date of Publication of Result : 29.07.2022

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

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:		
	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 2022 UNDER CBCS
GRADE CARD

Name : PUJA CHATTERJEE

Roll No. 19033100065

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	2019	8.00	8.09	Q
		CC-2	Ecology	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2020	9.00	9.00	Q
		CC-4	Cell Biology	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	7.67	8.00	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	6	6	36	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
ZOOLOGY	SEC-1	Apiculture	8	2	16	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	8.67	8.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	8	6	48	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2021				
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.00	9.00	Q
		CC-12	Genetics	8	6	48	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.00	8.00	Q
		CC-14	Evolutionary Biology	7	6	42	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	8	6	48	2022			
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 : 8.45										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RABIUL ISLAM

Roll No. 19033100066

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	2019	7.50	7.82	Q
		CC-2	Ecology	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2020	8.50	8.70	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.33	8.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
ZOOLOGY	SEC-1	Apiculture	8	2	16	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.00	9.00	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	8	6	48	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.59										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RAFIATUNNESA BEGAM

Roll No. 190331000067

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	5	6	30	2019	5.00	5.64	Q
		CC-2	Mechanics	5	6	30	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2020	7.00	7.10	Q
		CC-4	Waves and Optics	7	6	42	2020			
	MATHEMATICS	GE-2	Differential Equations	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.23	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.15	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	9	6	54	2021	9.25	9.25	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2021			
		DSE-2	Classical Dynamics	10	6	60	2021			
		PHYSICS	CC-13	Electromagnetic Theory	9	6	54			
VI	PHYSICS	CC-14	Statistical Mechanics	9	6	54	2022	9.00	9.00	Q
		PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54			
	PHYSICS		DSE-4	Astronomy and Astrophysics	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.39								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.32										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RAMESH GARAIN

Roll No. 19033100068

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	4	6	24	2019	7.00	7.27	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	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.50	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	9.75	9.75	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.96										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RANISA SULTANA

Roll No. 19033100069

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	2019	7.50	8.09	Q
		CC-2	Ecology	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	10	6	60	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.00	8.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021				
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2021	9.00	9.00	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	9.00	9.00	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	10	6	60	2022			
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 : 8.63										

Date of Publication of Result : 29.07.2022

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

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%	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 2022 UNDER CBCS
GRADE CARD

Name : RATHIN MONDAL

Roll No. 190331000071

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	6	6	36	2019	6.50	7.00	Q
		CC-2	Mechanics	7	6	42	2019			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.10	Q
		CC-4	Waves and Optics	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.23	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	10	6	60	2021			
		PHYSICS	CC-13	Electromagnetic Theory	9	6	54			
VI	PHYSICS	CC-14	Statistical Mechanics	10	6	60	2022	9.50	9.50	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 : 8.89								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.82										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RIMA HAZRA

Roll No. 190331000072

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	7	6	42	2019	6.00	6.45	Q
		CC-2	Bacteriology	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2020	8.00	7.90	Q
		CC-4	Virology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2020	8.33	8.46	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	10	6	60	2021	9.33	9.23	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	8.25	8.25	Q
		CC-12	Immunology	8	6	48	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	9.00	9.00	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.27										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RIMPA DAS

Roll No. 190331000073

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	8.45	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	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020				
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2022	9.50	9.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.39							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.08										

Date of Publication of Result : 29.07.2022

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

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	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	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 2022 UNDER CBCS
GRADE CARD

Name : RINKU MONDAL

Roll No. 190331000074

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	2019	9.00	7.91	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2020	10.00	9.60	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	10.00	9.77	Q
		CC-6	Circulation	10	6	60	2020			
		CC-7	Functions of The Nervous System	10	6	60	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2021	10.00	9.77	Q
		CC-9	Gastrointestinal Function	10	6	60	2021			
		CC-10	Respiration	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20	2021			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2021	9.50	9.50	Q
		CC-12	Endocrinology	9	6	54	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2021			
		DSE-2	Sports and Exercise Physiology	10	6	60	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2022	9.00	9.00	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2022			
		DSE-4	Toxicology	9	6	54	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.56							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.28										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RISHAV SADHU

Roll No. 190331000075

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	4	6	24	2019	4.50	5.45	Q
		CC-2	Algebra	5	6	30	2019			
	PHYSICS	GE-1	Mechanics	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	10.00	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.97										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RITTIK GUIN

Roll No. 190331000076

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	5	6	30	2019	5.50	6.45	Q
		CC-2	Algebra	6	6	36	2019			
	PHYSICS	GE-1	Mechanics	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	7.50	7.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	10.00	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 9.13										

Date of Publication of Result : 29.07.2022

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

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
	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 2022 UNDER CBCS
GRADE CARD

Name : RITUPARNA MONDAL

Roll No. 190331000077

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	6	6	36	2019	5.50	6.18	Q
		CC-2	Bacteriology	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2020	8.00	7.90	Q
		CC-4	Virology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2020	7.67	8.00	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	7	6	42	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	7.75	7.75	Q
		CC-12	Immunology	8	6	48	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	7	6	42	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2022	8.00	8.00	Q
		CC-14	Recombinant DNA Technology	8	6	48	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2022			
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 : 7.85										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : RIYA GHANTI

Roll No. 190331000078

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	7	6	42	2019	6.00	6.73	Q
		CC-2	Algebra	5	6	30	2019			
	PHYSICS	GE-1	Mechanics	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	8.00	8.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.33							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.21										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : ROHIT KUMAR MONDAL

Roll No. 190331000079

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	2019	7.50	6.82	Q
		CC-2	Physical Chemistry-I	7	6	42	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	9.00	8.60	Q
		CC-4	Organic Chemistry-II	9	6	54	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	8.67	9.00	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2020			
		CC-7	Organic Chemistry-III	9	6	54	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	10	6	60	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	10.00	9.77	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2021			
		CC-10	Organic Chemistry - IV	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.50	9.50	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.11							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 : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **SADIA FIRDOS**Roll No. **19033100080**

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	2019	8.50	7.82	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	10	6	60	2020	10.00	9.50	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2020	10.00	9.77	Q
		CC-6	Circulation	10	6	60	2020			
	PHYSIOLOGY	CC-7	Functions of The Nervous System	10	6	60	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
IV	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	10	2	20	2020	10.00	9.77	Q
		CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2021			
		CC-9	Gastrointestinal Function	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
V	PHYSIOLOGY	CC-10	Respiration	10	6	60	2021	9.75	9.75	Q
		PHYSIOLOGY	SEC-2	Hematological Techniques	10	2	20			
	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2021			
		CC-12	Endocrinology	9	6	54	2021			
VI	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2021	9.00	9.00	Q
		DSE-2	Sports and Exercise Physiology	10	6	60	2021			
	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2022			
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2022				
	DSE-4	Toxicology	9	6	54	2022				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.56							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.30										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : SAFIA AKHTER

Roll No. 19033100081

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	2019	7.50	7.36	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.00	8.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
ZOOLOGY	SEC-1	Apiculture	9	2	18	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2021	8.75	8.75	Q
		CC-12	Genetics	8	6	48	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.45										

Date of Publication of Result : 29.07.2022


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

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

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 "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 2022 UNDER CBCS
GRADE CARD

Name : SAMARENDU SU

Roll No. 190331000083

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	6	6	36	2019	5.50	5.73	Q
		CC-2	Bacteriology	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2020	8.00	7.90	Q
		CC-4	Virology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2020	8.33	8.46	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2021	8.75	8.75	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2021			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.15										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SAMPANNA ROY

Roll No. 190331000084

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	2019	8.50	7.64	Q
		CC-2	Bacteriology	9	6	54	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	8.80	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	9.00	9.08	Q
		CC-6	Cell Biology	9	6	54	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	10	2	20	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	10	6	60	2021	10.00	10.00	Q
		CC-9	Environmental Microbiology	10	6	60	2021			
		CC-10	Food and Dairy Microbiology	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	10	2	20	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	10	6	60	2021	9.50	9.50	Q
		CC-12	Immunology	10	6	60	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	9	6	54	2021			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	10	6	60	2022	10.00	10.00	Q
		CC-14	Recombinant DNA Technology	10	6	60	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	10	6	60	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.44							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.21										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name :SAPTARSHI CHANDRA

Roll No. 190331000085

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	6	6	36	2019	5.50	5.82	Q
		CC-2	Bacteriology	5	6	30	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	8	6	48	2020	8.00	7.80	Q
		CC-4	Virology	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	8	6	48	2020	8.33	8.54	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	9	2	18	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.23	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021				
V	MICROBIOLOGY	CC-11	Industrial Microbiology	9	6	54	2021	8.50	8.50	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	9	6	54	2022	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.17										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SAYANI MONDAL

Roll No. 19033100086

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	2019	7.50	7.82	Q
		CC-2	Archegoniatae	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	8.50	8.40	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2020	9.33	9.23	Q
		CC-6	Plant Systematics	9	6	54	2020			
		CC-7	Economic Botany	9	6	54	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
	BOTANY	SEC-1	Agricultural Botany	9	2	18	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	10.00	9.77	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2021			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2021	9.75	9.75	Q
		CC-12	Plant Metabolism	10	6	60	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2021			
		DSE-2	Natural Resource Management	10	6	60	2021			
		CC-13	Genetics & Plant Breeding	9	6	54	2022			
VI	BOTANY	CC-14	Plant Biotechnology	9	6	54	2022	9.00	9.00	Q
		DSE-3	Plant Evolution & Biodiversity	9	6	54	2022			
	BOTANY	DSE-4	Industrial and Environmental Microbiology	9	6	54	2022			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.17

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 : 29.07.2022

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

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)

Percentage Conversion Formula:
 = (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 2022 UNDER CBCS
GRADE CARD

Name : SHROBONA ROY

Roll No. 190331000088

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	2019	7.00	7.27	Q
		CC-2	Archegoniatae	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.80	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	10	6	60	2020	9.33	9.23	Q
		CC-6	Plant Systematics	9	6	54	2020			
		CC-7	Economic Botany	9	6	54	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
BOTANY	SEC-1	Agricultural Botany	9	2	18	2020				
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	10.00	10.00	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	10	6	60	2021			
BOTANY	SEC-2	Biofertilizers	10	2	20	2021				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2021	9.50	9.50	Q
		CC-12	Plant Metabolism	9	6	54	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	10	6	60	2021			
		DSE-2	Natural Resource Management	10	6	60	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	9.50	9.50	Q
		CC-14	Plant Biotechnology	10	6	60	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	10	6	60	2022			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2022			

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 : 9.10

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SHYAMALI LET

Roll No. 19033100089

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	6	6	36	2019	6.00	5.55	Q
		CC-2	Physical Chemistry-I	6	6	36	2019			
	PHYSICS	GE-1	Mechanics	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	8.00	7.80	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2020	6.67	6.31	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2020			
		CC-7	Organic Chemistry-III	6	6	36	2020			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2020			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	7	2	14	2020				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2021	8.33	8.23	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2021			
		CC-10	Organic Chemistry - IV	8	6	48	2021			
	MATHEMATICS	GE-4	Algebra	8	6	48	2021			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2021				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2021	8.00	8.00	Q
		CC-12	Organic Chemistry-V	7	6	42	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	9	6	54	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.25	9.25	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 7.54										

Date of Publication of Result : 29.07.2022

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

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%	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 2022 UNDER CBCS
GRADE CARD

Name : **SIRSHENDU MONDAL**Roll No. **19033100090**

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	2019	6.50	6.27	Q
		CC-2	Physical Chemistry-I	6	6	36	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2020	8.00	7.80	Q
		CC-4	Organic Chemistry-II	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	6	2	12	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	8.33	8.23	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2020			
		CC-7	Organic Chemistry-III	8	6	48	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2020			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2020			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2021			
		CC-10	Organic Chemistry - IV	9	6	54	2021			
	PHYSICS	GE-4	Waves and Optics	9	6	54	2021			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2021			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2022	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	10	6	60	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 8.31										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SK HOMIYO JAHANGIR

Roll No. 19033100091

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	4	6	24	2019	4.00	4.91	Q
		CC-2	Algebra	4	6	24	2019			
	PHYSICS	GE-1	Mechanics	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.20	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	6	2	12	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.73										

Date of Publication of Result : 29.07.2022

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

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
	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 2022 UNDER CBCS
GRADE CARD

Name : SK TOUSIFUDDIN

Roll No. 19033100092

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	2019	7.00	7.55	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.00	8.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2020			
ZOOLOGY	SEC-1	Apiculture	9	2	18	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.00	9.00	Q
		CC-12	Genetics	8	6	48	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.75	8.75	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.48										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SK ZAHEDUR RAHAMAN

Roll No. 19033100093

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	6	6	36	2019	6.50	7.27	Q
		CC-2	Mechanics	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.40	Q
		CC-4	Waves and Optics	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	8.77	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.15	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	MATHEMATICS	GE-4	Algebra	10	6	60	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.50	9.50	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	9	6	54	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.25	9.25	Q
		CC-14	Statistical Mechanics	9	6	54	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
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 : 8.76										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : SNEHASISH BHANDARI

Roll No. 19033100094

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	6	6	36	2019	7.00	7.09	Q
		CC-2	Bacteriology	8	6	48	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	8.50	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	8.67	8.46	Q
		CC-6	Cell Biology	9	6	54	2020			
		CC-7	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	8.25	8.25	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2021			
		DSE-2	Instrumentation and Biotechniques	8	6	48	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2022	8.00	8.00	Q
		CC-14	Recombinant DNA Technology	8	6	48	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	8	6	48	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	8	6	48	2022			
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 : 8.24										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SOUGATA CHAKRABORTY

Roll No. 19033100096

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	6	6	36	2019	7.00	7.00	Q
		CC-2	Mechanics	8	6	48	2019			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2020	8.00	8.00	Q
		CC-4	Waves and Optics	8	6	48	2020			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2020	9.00	9.23	Q
		CC-6	Thermal Physics	9	6	54	2020			
		CC-7	Digital Systems and Applications	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2020			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2020			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2021	9.00	9.00	Q
		CC-9	Elements of Modern Physics	9	6	54	2021			
		CC-10	Analog Systems & Applications	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2021			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Solid State Physics	9	6	54	2021			
	PHYSICS	DSE-1	Advanced Mathematical Physics	10	6	60	2021			
		DSE-2	Classical Dynamics	10	6	60	2021			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2022	9.25	9.25	Q
		CC-14	Statistical Mechanics	9	6	54	2022			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2022			
		DSE-4	Astronomy and Astrophysics	9	6	54	2022			
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 : 8.76										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SOUMADEEP BORAL

Roll No. 19033100097

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	2019	7.00	7.55	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	8.00	8.31	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2020			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	9	6	54	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
	ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.25	9.25	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2022	9.25	9.25	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	10	6	60	2022			
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 : 8.65										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SRIJITA PAL

Roll No. 19033100098

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	7	6	42	2019	7.00	7.27	Q
		CC-2	Bacteriology	7	6	42	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MICROBIOLOGY	CC-3	Biochemistry	9	6	54	2020	9.00	8.50	Q
		CC-4	Virology	9	6	54	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Communicative English	7	2	14	2020			
III	MICROBIOLOGY	CC-5	Microbial Physiology & Metabolism	9	6	54	2020	8.33	8.46	Q
		CC-6	Cell Biology	8	6	48	2020			
		CC-7	Molecular Biology	8	6	48	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MICROBIOLOGY	SEC-1	Microbial Diagnosis in Health Clinics	8	2	16	2020			
IV	MICROBIOLOGY	CC-8	Microbial Genetics	9	6	54	2021	9.00	9.00	Q
		CC-9	Environmental Microbiology	9	6	54	2021			
		CC-10	Food and Dairy Microbiology	9	6	54	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2021			
	MICROBIOLOGY	SEC-2	Food Fermentation Techniques	9	2	18	2021			
V	MICROBIOLOGY	CC-11	Industrial Microbiology	8	6	48	2021	8.50	8.50	Q
		CC-12	Immunology	9	6	54	2021			
	MICROBIOLOGY	DSE-1	Microbes in Sustainable Agriculture and Development	8	6	48	2021			
		DSE-2	Instrumentation and Biotechniques	9	6	54	2021			
VI	MICROBIOLOGY	CC-13	Medical Microbiology	8	6	48	2022	8.75	8.75	Q
		CC-14	Recombinant DNA Technology	9	6	54	2022			
	MICROBIOLOGY	DSE-3	Advances in Microbiology	9	6	54	2022			
		DSE-4	Bio-Safety and Intellectual Property Rights	9	6	54	2022			
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 : 8.44										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUBHADEEP GHOSH

Roll No. 19033100099

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	2019	6.50	7.27	Q
		CC-2	Archegoniatae	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2020	8.00	8.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.33	8.23	Q
		CC-6	Plant Systematics	8	6	48	2020			
		CC-7	Economic Botany	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2020			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2021	9.00	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	BOTANY	SEC-2	Biofertilizers	10	2	20	2021			
V	BOTANY	CC-11	Plant Physiology	8	6	48	2021	8.50	8.50	Q
		CC-12	Plant Metabolism	8	6	48	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2021			
		DSE-2	Natural Resource Management	9	6	54	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2022	7.75	7.75	Q
		CC-14	Plant Biotechnology	7	6	42	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2022			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			
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 : 8.17										

Date of Publication of Result : 29.07.2022

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

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	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 2022 UNDER CBCS
GRADE CARD

Name : SUBHRAJIT CHOWDHURY

Roll No. 190331000100

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	2019	8.00	7.27	Q
		CC-2	Physical Chemistry-I	7	6	42	2019			
	MATHEMATICS	GE-1	Differential Calculus	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2020	9.00	8.90	Q
		CC-4	Organic Chemistry-II	9	6	54	2020			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2020			
	Communicative English/MIL	AECC-2	Communicative English	8	2	16	2020			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2020	9.67	9.38	Q
		CC-6	Inorganic Chemistry-II	10	6	60	2020			
		CC-7	Organic Chemistry-III	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2020				
IV	CHEMISTRY	CC-8	Physical Chemistry-III	10	6	60	2021	10.00	10.00	Q
		CC-9	Inorganic Chemistry-III	10	6	60	2021			
		CC-10	Organic Chemistry - IV	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	10	2	20	2021				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2021	9.25	9.25	Q
		CC-12	Organic Chemistry-V	9	6	54	2021			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	10	6	60	2021			
		DSE-2	Analytical Methods in Chemistry	9	6	54	2021			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2022	9.00	9.00	Q
		CC-14	Physical Chemistry-IV	9	6	54	2022			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2022			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2022			
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 : 9.01										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUBIR SAIN

Roll No. 190331000101

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	8.36	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.70	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.50							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 : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUBRATA PAL

Roll No. 190331000102

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	2019	7.00	7.55	Q
		CC-2	Ecology	7	6	42	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2020	8.50	8.70	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2020			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2020			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2020	8.33	8.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2020			
ZOOLOGY	SEC-1	Apiculture	7	2	14	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2021	8.67	8.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	8	6	48	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	9	2	18	2021				
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2021	9.25	9.25	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	9	6	54	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	10	6	60	2022	9.25	9.25	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2022			
		DSE-4	Endocrinology	10	6	60	2022			
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 : 8.66										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUDIPA ROY

Roll No. 190331000103

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	5	6	30	2019	5.50	5.27	Q
		CC-2	Archegoniatae	6	6	36	2019			
	ZOOLOGY	GE-1	Animal Diversity	5	6	30	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	8	6	48	2020	8.00	7.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2020			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.33	8.69	Q
		CC-6	Plant Systematics	8	6	48	2020			
		CC-7	Economic Botany	8	6	48	2020			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	10	6	60	2020			
	BOTANY	SEC-1	Agricultural Botany	8	2	16	2020			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	9.67	9.69	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	10	6	60	2021			
	BOTANY	SEC-2	Biofertilizers	9	2	18	2021			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2021	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2021			
		DSE-2	Natural Resource Management	9	6	54	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2022			
		DSE-4	Industrial and Environmental Microbiology	8	6	48	2022			
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 : 8.23										

Date of Publication of Result : 29.07.2022


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

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

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
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 2022 UNDER CBCS
GRADE CARD

Name : SUJAN KUMAR MONDAL

Roll No. 190331000104

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	8.18	Q
		CC-2	Algebra	10	6	60	2020			
	PHYSICS	GE-1	Mechanics	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.70	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	9.67	9.54	Q
		CC-6	Group Theory I	9	6	54	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2021	9.50	9.50	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.39							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.08										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : **SUKDEB DAS**Roll No. **190331000105**

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	4	6	24	2019	4.00	5.18	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	7	6	42	2020	7.00	7.10	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	9.77	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
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 : 8.80										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUMAN MONDAL

Roll No. 190331000106

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	9.00	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	6	4	24	2019			
II	MATHEMATICS	CC-3	Real Analysis	6	6	36	2020	6.00	6.40	Q
		CC-4	Differential Equations and Vector Calculus	6	6	36	2020			
	COMPUTER SCIENCE	GE-2	Database Management Systems	7	6	42	2020			
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	9.67	9.31	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	9	6	54	2020			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2021			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	9.75	9.75	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	9	6	54	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.44							Letter Grade in CGPA : O		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.17										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUNANDA SAHA

Roll No. 190331000107

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	5	6	30	2019	4.50	5.91	Q
		CC-2	Algebra	4	6	24	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2020	8.00	8.00	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2020	10.00	10.00	Q
		CC-6	Group Theory I	10	6	60	2020			
		CC-7	Numerical Methods	10	6	60	2020			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	10	6	60	2020			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2020			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2021	10.00	10.00	Q
		CC-9	Multivariate Calculus	10	6	60	2021			
		CC-10	Ring Theory and Linear Algebra I	10	6	60	2021			
	PHYSICS	GE-4	Waves and Optics	10	6	60	2021			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2021			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2021	10.00	10.00	Q
		CC-12	Mechanics I	10	6	60	2021			
	MATHEMATICS	DSE-1	Linear Programming	10	6	60	2021			
		DSE-2	Probability & Statistics	10	6	60	2021			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	10	6	60	2022	10.00	10.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2022			
	MATHEMATICS	DSE-3	Project Work	10	6	60	2022			
		DSE-4	Mechanics II	10	6	60	2022			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 9.17							Letter Grade in CGPA : O	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.08										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SURAJ KUMAR NANDI

Roll No. 190331000108

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	2019	7.50	6.91	Q
		CC-2	Ecology	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2019			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2020	8.00	8.00	Q
		CC-4	Cell Biology	8	6	48	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2020	7.67	7.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2020			
		CC-7	Fundamentals of Biochemistry	7	6	42	2020			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2020			
ZOOLOGY	SEC-1	Apiculture	8	2	16	2020				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2021	8.33	8.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2021			
		CC-10	Immunology	8	6	48	2021			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2021			
ZOOLOGY	SEC-2	Aquarium Fish Keeping	8	2	16	2021				
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2021	8.75	8.75	Q
		CC-12	Genetics	9	6	54	2021			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2021			
		DSE-2	Parasitology	8	6	48	2021			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2022	8.50	8.50	Q
		CC-14	Evolutionary Biology	8	6	48	2022			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2022			
		DSE-4	Endocrinology	9	6	54	2022			
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 : 8.08										


Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : SUSMITA SAHA

Roll No. 190331000109

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	2019	7.50	7.82	Q
		CC-2	Archegoniatae	8	6	48	2019			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2019			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2020	9.00	8.60	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2020			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2020	8.67	8.69	Q
		CC-6	Plant Systematics	9	6	54	2020			
		CC-7	Economic Botany	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
BOTANY	SEC-1	Agricultural Botany	8	2	16	2020				
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2021	9.67	9.31	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2021			
		CC-10	Molecular Biology	10	6	60	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	8	6	48	2021			
BOTANY	SEC-2	Biofertilizers	10	2	20	2021				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2021	9.00	9.00	Q
		CC-12	Plant Metabolism	9	6	54	2021			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2021			
		DSE-2	Natural Resource Management	9	6	54	2021			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2022	9.00	9.00	Q
		CC-14	Plant Biotechnology	9	6	54	2022			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	9	6	54	2022			
		DSE-4	Industrial and Environmental Microbiology	9	6	54	2022			
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 : 8.76										

Date of Publication of Result : 29.07.2022

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

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 2022 UNDER CBCS
GRADE CARD

Name : TITHI MUNSHI

Roll No. 190331000110

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	7	6	42	2019	6.50	6.27	Q
		CC-2	Biological Physics and Enzymes	6	6	36	2019			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	6	6	36	2019			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2019			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	8	6	48	2020	8.00	8.00	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2020			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2020			
	Communicative English/MIL	AECC-2	Bengali	8	2	16	2020			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2020	8.33	8.46	Q
		CC-6	Circulation	8	6	48	2020			
		CC-7	Functions of The Nervous System	8	6	48	2020			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2020			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2020			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2021	9.00	9.00	Q
		CC-9	Gastrointestinal Function	9	6	54	2021			
		CC-10	Respiration	9	6	54	2021			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	9	6	54	2021			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2021			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2021	8.50	8.50	Q
		CC-12	Endocrinology	9	6	54	2021			
	PHYSIOLOGY	DSE-1	Biological Statistics	8	6	48	2021			
		DSE-2	Sports and Exercise Physiology	9	6	54	2021			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2022	9.00	9.00	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2022			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2022			
		DSE-4	Toxicology	9	6	54	2022			
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 : 8.25										


Date of Publication of Result : 29.07.2022

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

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)	