



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2024 UNDER CBCS**  
**GRADE CARD**

Name: ISHAN MUKHERJEE

Roll No. 200340500043

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	7	6	42	2020	7.00	7.73	Q
		CC-2	Mechanics	7	6	42	2020			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	8.50	8.40	Q
		CC-4	Waves and Optics	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2022			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2022	8.00	8.46	Q
		CC-6	Thermal Physics	6	6	36	2022			
		CC-7	Digital Systems and Applications	9	6	54	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	10	6	60	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2023	8.00	7.85	Q
		CC-9	Elements of Modern Physics	8	6	48	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	7	6	42	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2023	6.75	6.75	Q
		CC-12	Solid State Physics	8	6	48	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2024	9.00	9.00	Q
		CC-14	Statistical Mechanics	9	6	54	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	10	6	60	2024			
		DSE-4	Astronomy and Astrophysics	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.89</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.03</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ADITYA KOLEY**Roll No. **210340500001**

Honours: <b>PHYSIOLOGY</b>										
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	2021	7.50	7.73	Q
		CC-2	Biological Physics and Enzymes	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	7	6	42	2022	7.50	7.80	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2022	7.33	7.08	Q
		CC-6	Circulation	7	6	42	2022			
		CC-7	Functions of The Nervous System	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2022			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2022			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	8	6	48	2023	8.00	7.62	Q
		CC-9	Gastrointestinal Function	8	6	48	2023			
		CC-10	Respiration	8	6	48	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2023			
	PHYSIOLOGY	SEC-2	Hematological Techniques	6	2	12	2023			
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2023	8.75	8.75	Q
		CC-12	Endocrinology	7	6	42	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2023			
		DSE-2	Sports and Exercise Physiology	10	6	60	2023			
VI	PHYSIOLOGY	CC-13	Reproduction	8	6	48	2024	8.50	8.50	Q
		CC-14	Formation and Excretion of Urine	8	6	48	2024			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2024			
		DSE-4	Toxicology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.90</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: AKANKSHA TIWARI

Roll No. 210340500002

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	2021	8.00	8.45	Q
		CC-2	Ecology	8	6	48	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2022	8.00	8.40	Q
		CC-4	Cell Biology	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2022	5.33	6.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2022			
		CC-7	Fundamentals of Biochemistry	4	6	24	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2023	6.00	6.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	7	6	42	2023			
		CC-10	Immunology	5	6	30	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2023			
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2023	5.75	5.75	Q
		CC-12	Genetics	6	6	36	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2023			
		DSE-2	Parasitology	5	6	30	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	5	6	30	2024	6.00	6.00	Q
		CC-14	Evolutionary Biology	6	6	36	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2024			
		DSE-4	Endocrinology	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.28</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.80</b>										

Date of Publication of Result : 31.08.2024

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

*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	*Letter Grade in CGPA is awarded on the basis of CCs and DSEs
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 2024 UNDER CBCS**  
**GRADE CARD**

Name: AKASH KUMAR SHAW

Roll No. 210340500003

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	7	6	42	2021	7.50	8.45	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.00	9.30	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2022	6.00	6.38	Q
		CC-6	Thermal Physics	5	6	30	2022			
		CC-7	Digital Systems and Applications	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2023	5.33	5.54	Q
		CC-9	Elements of Modern Physics	5	6	30	2023			
		CC-10	Analog Systems & Applications	5	6	30	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2023	5.75	5.75	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.67</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.04</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ALAPAN GHOSH**Roll No. **210340500004**

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2021	8.00	8.27	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2022	8.50	8.80	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	7.00	7.08	Q
		CC-6	Thermal Physics	6	6	36	2022			
		CC-7	Digital Systems and Applications	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	6.67	6.31	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	5	6	30	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2023	6.50	6.50	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2023			
		DSE-2	Classical Dynamics	6	6	36	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2024	7.75	7.75	Q
		CC-14	Statistical Mechanics	8	6	48	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.28</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.38</b>										


Date of Publication of Result : 31.08.2024

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*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
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	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (SGPA or CGPA × 10) - 5.0 *Letter Grade in CGPA is awarded on the basis of CCs and DSEs
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	70% and above but below 80%	8	60% and above but below 70%	7	
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	35% and above but below 40%	4	Below 35%	Not Awarded (NA)	



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2024 UNDER CBCS**  
**GRADE CARD**

Name: ANIMESH KUMAR PAL

Roll No. 210340500008

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	7	6	42	2021	7.50	8.45	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.00	9.40	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2022	7.00	7.38	Q
		CC-6	Thermal Physics	6	6	36	2022			
		CC-7	Digital Systems and Applications	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	7.33	7.00	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2023	5.50	5.50	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2024	8.00	8.00	Q
		CC-14	Statistical Mechanics	8	6	48	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2024			
		DSE-4	Astronomy and Astrophysics	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.22</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.55</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: ANISH KOLEY.

Roll No. 210340500010

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	2021	8.00	7.91	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	7	6	42	2022	7.50	7.80	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2022			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	7	6	42	2023	6.33	6.46	Q
		CC-6	Circulation	5	6	30	2023			
		CC-7	Functions of The Nervous System	7	6	42	2023			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2023			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	6	2	12	2023			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	6	6	36	2023	7.00	6.46	Q
		CC-9	Gastrointestinal Function	7	6	42	2023			
		CC-10	Respiration	8	6	48	2023			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	5	6	30	2023			
	PHYSIOLOGY	SEC-2	Hematological Techniques	6	2	12	2023			
V	PHYSIOLOGY	CC-11	Special Senses	8	6	48	2023	8.25	8.25	Q
		CC-12	Endocrinology	7	6	42	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2023			
		DSE-2	Sports and Exercise Physiology	9	6	54	2023			
		CC-13	Reproduction	8	6	48	2024			
VI	PHYSIOLOGY	CC-14	Formation and Excretion of Urine	8	6	48	2024	8.25	8.25	Q
		PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	8	6	48			
	PHYSIOLOGY		DSE-4	Toxicology	9	6	54			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.61</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.48</b>										

Date of Publication of Result : 31.08.2024


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: ANUBHAB SETH

Roll No. 210340500011

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	10	6	60	2021	10.00	9.64	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.60	Q
		CC-4	Structural Geology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	9	6	54	2022	9.33	8.15	Q
		CC-6	Sedimentology	9	6	54	2022			
		CC-7	Paleontology	10	6	60	2022			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2022			
	GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022			
IV	GEOLOGY	CC-8	Metamorphic Petrology	8	6	48	2023	8.33	8.62	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	8	6	48	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
	GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023			
V	GEOLOGY	CC-11	Hydrogeology	9	6	54	2023	9.50	9.50	Q
		CC-12	Economic Geology	9	6	54	2023			
	GEOLOGY	DSE-1	Geodynamics	10	6	60	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	10	6	60	2024	9.50	9.50	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.33</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.13</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: ARKA KARMI

Roll No. 210340500012

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	10	6	60	2021	10.00	9.36	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.00	9.00	Q
		CC-4	Structural Geology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	7	6	42	2022	7.67	7.00	Q
		CC-6	Sedimentology	7	6	42	2022			
		CC-7	Paleontology	9	6	54	2022			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2023			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	7	6	42	2023	7.67	7.46	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	8	6	48	2023	8.00	8.00	Q
		CC-12	Economic Geology	7	6	42	2023			
	GEOLOGY	DSE-1	Geodynamics	9	6	54	2023			
		DSE-2	Introduction to Geophysics	8	6	48	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	NC	6	NC				SNC
		CC-14	Engineering Geology	8	6	48	2024			
	GEOLOGY	DSE-3	Fuel Geology	8	6	48	2024			
		DSE-4	Evolution of Life Through Time	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :	Result : PNC		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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 < 5.0 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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ARNAB BISWAS**Roll No. **210340500013**

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	2021	8.50	8.73	Q
		CC-2	Algebra	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2022	8.00	8.50	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2022	8.33	8.08	Q
		CC-6	Group Theory I	8	6	48	2022			
		CC-7	Numerical Methods	9	6	54	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2022			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2023	8.33	8.54	Q
		CC-9	Multivariate Calculus	8	6	48	2023			
		CC-10	Ring Theory and Linear Algebra I	8	6	48	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2023	7.00	7.00	Q
		CC-12	Mechanics I	4	6	24	2023			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2023			
		DSE-2	Probability & Statistics	9	6	54	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	8.25	8.25	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.00</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.17</b>										

Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: ARNAB CHATTERJEE

Roll No. 210340500014

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	7	6	42	2021	7.00	7.00	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	7	6	42	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2022	7.00	7.00	Q
		CC-4	Waves and Optics	7	6	42	2022			
	MATHEMATICS	GE-2	Differential Equations	6	6	36	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2022	5.33	5.46	Q
		CC-6	Thermal Physics	4	6	24	2022			
		CC-7	Digital Systems and Applications	6	6	36	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2023	5.33	5.00	Q
		CC-9	Elements of Modern Physics	5	6	30	2023			
		CC-10	Analog Systems & Applications	5	6	30	2023			
	MATHEMATICS	GE-4	Algebra	4	6	24	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	5	2	10	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	NA	6	NA		6.00	6.00	Q
		CC-12	Solid State Physics	4	6	24	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	5	6	30	2023			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	6.00	6.00	Q
		CC-14	Statistical Mechanics	6	6	36	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	5	6	30	2024			
		DSE-4	Astronomy and Astrophysics	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>		<b>Result : PNC</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: ARUP DAS

Roll No. 210340500015

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	9	6	54	2021	9.50	9.36	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.60	Q
		CC-4	Structural Geology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	8	6	48	2022	8.33	7.69	Q
		CC-6	Sedimentology	7	6	42	2022			
		CC-7	Paleontology	10	6	60	2022			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	8	6	48	2023	8.00	7.69	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	9	6	54	2023	8.50	8.50	Q
		CC-12	Economic Geology	8	6	48	2023			
	GEOLOGY	DSE-1	Geodynamics	9	6	54	2023			
		DSE-2	Introduction to Geophysics	8	6	48	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	9	6	54	2024	8.75	8.75	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	8	6	48	2024			
		DSE-4	Evolution of Life Through Time	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.67</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.54</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **AYANIKA DAS**Roll No. **210340500021**

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	2021	8.50	8.45	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2022	8.50	8.70	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	5	6	30	2022	5.67	5.54	Q
		CC-6	Group Theory I	4	6	24	2022			
		CC-7	Numerical Methods	8	6	48	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	4	6	24	2023			SNC
		CC-9	Multivariate Calculus	NA	6	NA				
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2023			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NA	6	NA				SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2023			
		DSE-2	Probability & Statistics	5	6	30	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	5	6	30	2024	6.00	6.00	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	4	6	24	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **AYON MANDAL**Roll No. **210340500022**

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2021	8.50	8.73	Q
		CC-2	Algebra	8	6	48	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	9.50	9.30	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	10	6	60	2022	8.67	8.54	Q
		CC-6	Group Theory I	7	6	42	2022			
		CC-7	Numerical Methods	9	6	54	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2022			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2023	8.67	8.77	Q
		CC-9	Multivariate Calculus	9	6	54	2023			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
MATHEMATICS	SEC-2	Graph Theory	9	2	18	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2023			
		DSE-2	Probability & Statistics	7	6	42	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	9	6	54	2024	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **BISWAJIT MANDAL**Roll No. **210340500024**

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	2021	9.00	8.73	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	9.00	8.70	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2022	5.67	5.92	Q
		CC-6	Group Theory I	6	6	36	2022			
		CC-7	Numerical Methods	5	6	30	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	6	6	36	2023	5.75	5.75	Q
		CC-9	Multivariate Calculus	NA	6	NA				
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
MATHEMATICS	SEC-2	Graph Theory	6	2	12	2023			SNC	
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2023	7.25	7.25	Q
		CC-12	Mechanics I	4	6	24	2023			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2023			
		DSE-2	Probability & Statistics	5	6	30	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **CHIRASHREE NANDY**Roll No. **210340500025**

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2021	8.50	9.00	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.50	9.40	Q
		CC-4	Waves and Optics	10	6	60	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	9	6	54	2022	9.00	9.08	Q
		CC-6	Thermal Physics	9	6	54	2022			
		CC-7	Digital Systems and Applications	9	6	54	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2022			
PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	10	2	20	2022				
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2023	8.33	7.85	Q
		CC-9	Elements of Modern Physics	9	6	54	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2023	8.00	8.00	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2023			
		DSE-2	Classical Dynamics	9	6	54	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2024	8.50	8.50	Q
		CC-14	Statistical Mechanics	8	6	48	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2024			
		DSE-4	Astronomy and Astrophysics	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.61</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DEBADRITA GHOSH

Roll No. 210340500026

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	10	6	60	2021	10.00	9.55	Q
		CC-2	Ecology	10	6	60	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	10	6	60	2022	10.00	9.90	Q
		CC-4	Cell Biology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2022	8.00	8.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2022			
		CC-7	Fundamentals of Biochemistry	7	6	42	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2023	8.00	8.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2023			
		CC-10	Immunology	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	9	2	18	2023			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2023	9.00	9.00	Q
		CC-12	Genetics	9	6	54	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2023			
		DSE-2	Parasitology	8	6	48	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2024	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2024			
		DSE-4	Endocrinology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.83</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.94</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DEBAJYOTI BISWAS

Roll No. 210340500027

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2021	7.50	8.18	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.00	9.00	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2022	6.67	6.92	Q
		CC-6	Thermal Physics	5	6	30	2022			
		CC-7	Digital Systems and Applications	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2023	6.00	6.08	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	5	6	30	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	7	2	14	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2023	6.00	6.00	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2023			
		DSE-2	Classical Dynamics	7	6	42	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2024	8.00	8.00	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.06</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.28</b>										

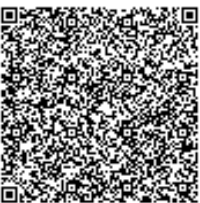
Date of Publication of Result : 31.08.2024

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

*Anindya Jyoti 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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **DEBALINA GHOSH**Roll No. **210340500028**

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	10	6	60	2021	10.00	9.55	Q
		CC-2	Ecology	10	6	60	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	10	6	60	2022	9.50	9.70	Q
		CC-4	Cell Biology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2022	8.67	8.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2022			
		CC-7	Fundamentals of Biochemistry	9	6	54	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2023	9.33	9.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2023			
		CC-10	Immunology	10	6	60	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	10	6	60	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	10	2	20	2023			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2023	9.00	9.00	Q
		CC-12	Genetics	9	6	54	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2023			
		DSE-2	Parasitology	8	6	48	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	9	6	54	2024	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2024			
		DSE-4	Endocrinology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.11</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.20</b>										

Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DEBANJANA DUTTA

Roll No. 210340500029

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	10	6	60	2021	9.50	9.36	Q
		CC-2	Physical Chemistry-I	9	6	54	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	9.50	9.30	Q
		CC-4	Organic Chemistry-II	10	6	60	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2022	8.33	7.85	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2022			
		CC-7	Organic Chemistry-III	8	6	48	2022			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
IV	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2022	8.33	8.08	Q
		CC-8	Physical Chemistry-III	8	6	48	2023			
		CC-9	Inorganic Chemistry-III	9	6	54	2023			
	CC-10	Organic Chemistry - IV	8	6	48	2023				
V	PHYSICS	GE-4	Waves and Optics	7	6	42	2023	7.75	7.75	Q
		CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18			
	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2023			
		CC-12	Organic Chemistry-V	7	6	42	2023			
VI	CHEMISTRY	DSE-1	Advanced Physical Chemistry	8	6	48	2023	8.75	8.75	Q
		DSE-2	Analytical Methods in Chemistry	7	6	42	2023			
	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2024			
		CC-14	Physical Chemistry-IV	7	6	42	2024			
CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2024	8.75	8.75	Q	
	DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.46</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DEBAPRIYA GHOSH

Roll No. 210340500030

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2021	9.00	8.73	Q
		CC-2	Algebra	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	8.50	8.80	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2022	6.00	5.69	Q
		CC-6	Group Theory I	5	6	30	2022			
		CC-7	Numerical Methods	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2023	6.67	6.92	Q
		CC-9	Multivariate Calculus	5	6	30	2023			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
MATHEMATICS	SEC-2	Graph Theory	6	2	12	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023	6.50	6.50	Q
		CC-12	Mechanics I	4	6	24	2023			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2023			
		DSE-2	Probability & Statistics	6	6	36	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	6	6	36	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.11</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.23</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DEBJIT BAG

Roll No. 210340500031

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	9	6	54	2021	9.00	9.00	Q
		CC-2	Archegoniatae	9	6	54	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	10	6	60	2022	9.50	9.00	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2022	7.67	7.85	Q
		CC-6	Plant Systematics	8	6	48	2022			
		CC-7	Economic Botany	8	6	48	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	9	2	18	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2023	8.33	7.85	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	8	6	48	2023			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	6	6	36	2023			
	BOTANY	SEC-2	Herbal Technology	9	2	18	2023			
V	BOTANY	CC-11	Plant Physiology	7	6	42	2023	7.75	7.75	Q
		CC-12	Plant Metabolism	9	6	54	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2023			
		DSE-2	Natural Resource Management	7	6	42	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2024	8.00	8.00	Q
		CC-14	Plant Biotechnology	7	6	42	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.20</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **DEBOLINA SHARMA**Roll No. **210340500033**

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2021	7.50	8.00	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.50	9.30	Q
		CC-4	Waves and Optics	10	6	60	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	7.33	7.85	Q
		CC-6	Thermal Physics	7	6	42	2022			
		CC-7	Digital Systems and Applications	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	8	6	48	2023	7.33	6.92	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	5	6	30	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2023	5.50	5.50	Q
		CC-12	Solid State Physics	5	6	30	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2023			
		DSE-2	Classical Dynamics	5	6	30	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2024	6.50	6.50	Q
		CC-14	Statistical Mechanics	6	6	36	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2024			
		DSE-4	Astronomy and Astrophysics	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.00</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.28</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: DISHA KAHAR

Roll No. 210340500035

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	2021	9.00	8.73	Q
		CC-2	Ecology	9	6	54	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	8.70	Q
		CC-4	Cell Biology	9	6	54	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	4	6	24	2022			SNC
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2022			
		CC-7	Fundamentals of Biochemistry	5	6	30	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2022			
	ZOOLOGY	SEC-1	Apiculture	NA	2	NA				
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2023	4.33	4.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2023			
		CC-10	Immunology	4	6	24	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	5	2	10	2023			
V	ZOOLOGY	CC-11	Molecular Biology	NC	6	NC				SNC
		CC-12	Genetics	NC	6	NC				
	ZOOLOGY	DSE-1	Animal Biotechnology	NC	6	NC				
		DSE-2	Parasitology	NC	6	NC				
VI	ZOOLOGY	CC-13	Developmental Biology	4	6	24	2024			SNC
		CC-14	Evolutionary Biology	NA	6	NA				
	ZOOLOGY	DSE-3	Animal Behaviour	5	6	30	2024			
		DSE-4	Endocrinology	NA	6	NA				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>		<b>Result : PNC</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ISHIKA SHAW**Roll No. **210340500037**

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	2021	9.00	9.00	Q
		CC-2	Ecology	9	6	54	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	8.70	Q
		CC-4	Cell Biology	9	6	54	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2022	4.67	5.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2022			
		CC-7	Fundamentals of Biochemistry	4	6	24	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	6	6	36	2022			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2023			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	4	6	24	2023	4.00	4.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2023			
		CC-10	Immunology	4	6	24	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	7	6	42	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	4	2	8	2023			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2023			SNC
		CC-12	Genetics	NA	6	NA				
	ZOOLOGY	DSE-1	Animal Biotechnology	NA	6	NA				
		DSE-2	Parasitology	4	6	24	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	4	6	24	2024			SNC
		CC-14	Evolutionary Biology	NA	6	NA				
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2024			
		DSE-4	Endocrinology	5	6	30	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ISHITA SINGHA ROY**Roll No. **210340500038**

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	2021	9.00	8.91	Q
		CC-2	Ecology	9	6	54	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	ZOOLOGY	CC-3	Non-chordates II	10	6	60	2022	10.00	9.90	Q
		CC-4	Cell Biology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2022	8.33	8.38	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2022			
		CC-7	Fundamentals of Biochemistry	8	6	48	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2023	7.67	7.85	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2023			
		CC-10	Immunology	8	6	48	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2023			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2023	7.25	7.25	Q
		CC-12	Genetics	8	6	48	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2023			
		DSE-2	Parasitology	6	6	36	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2024	7.50	7.50	Q
		CC-14	Evolutionary Biology	7	6	42	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2024			
		DSE-4	Endocrinology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.24</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: JEET DATTA

Roll No. 210340500040

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	2021	8.50	8.09	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2022	9.50	9.30	Q
		CC-4	Chemistry of Biomolecules	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2022	8.33	8.46	Q
		CC-6	Circulation	9	6	54	2022			
		CC-7	Functions of The Nervous System	8	6	48	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2022			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2022				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	10	6	60	2023	9.67	9.23	Q
		CC-9	Gastrointestinal Function	9	6	54	2023			
		CC-10	Respiration	10	6	60	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2023				
V	PHYSIOLOGY	CC-11	Special Senses	9	6	54	2023	9.50	9.50	Q
		CC-12	Endocrinology	10	6	60	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2023			
		DSE-2	Sports and Exercise Physiology	10	6	60	2023			
VI	PHYSIOLOGY	CC-13	Reproduction	10	6	60	2024	9.50	9.50	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2024			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2024			
		DSE-4	Toxicology	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.22</b>							Letter Grade in CGPA : <b>O</b>		Result : <b>Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.01</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: JEET KUMAR DAS

Roll No. 210340500041

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	2021	7.50	8.00	Q
		CC-2	Archegoniatae	8	6	48	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2022	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2022	8.33	8.08	Q
		CC-6	Plant Systematics	9	6	54	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	9	2	18	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2023	9.00	9.00	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2023			
BOTANY	SEC-2	Herbal Technology	9	2	18	2023				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2023	8.75	8.75	Q
		CC-12	Plant Metabolism	9	6	54	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2024	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.56</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.51</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: JOY BANERJEE

Roll No. 210340500042

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	9	6	54	2021	9.50	9.36	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.60	Q
		CC-4	Structural Geology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	8	6	48	2022	8.67	8.15	Q
		CC-6	Sedimentology	8	6	48	2022			
		CC-7	Paleontology	10	6	60	2022			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	9	6	54	2023	8.67	8.62	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	8	6	48	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	10	6	60	2023	9.75	9.75	Q
		CC-12	Economic Geology	9	6	54	2023			
	GEOLOGY	DSE-1	Geodynamics	10	6	60	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	10	6	60	2024	9.50	9.50	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.28</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.13</b>										

Date of Publication of Result : 31.08.2024


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

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: KAUSTAV BISWAS

Roll No. 210340500045

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	2021	8.00	8.27	Q
		CC-2	Archegoniatae	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2022	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2022	8.00	7.38	Q
		CC-6	Plant Systematics	8	6	48	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	5	6	30	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	9	2	18	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2023	9.00	8.77	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2023			
BOTANY	SEC-2	Herbal Technology	9	2	18	2023				
V	BOTANY	CC-11	Plant Physiology	8	6	48	2023	8.50	8.50	Q
		CC-12	Plant Metabolism	9	6	54	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2024	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.50</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.34</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **KHUSHI KUMARI GUPTA**Roll No. **210340500046**

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	2021	8.50	8.64	Q
		CC-2	Ecology	8	6	48	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	9.10	Q
		CC-4	Cell Biology	9	6	54	2022			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2022	6.67	7.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2022			
		CC-7	Fundamentals of Biochemistry	6	6	36	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2023	5.00	5.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2023			
		CC-10	Immunology	5	6	30	2023			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	8	6	48	2023			
ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2023				
V	ZOOLOGY	CC-11	Molecular Biology	6	6	36	2023	5.75	5.75	Q
		CC-12	Genetics	5	6	30	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2023			
		DSE-2	Parasitology	5	6	30	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2024	6.50	6.50	Q
		CC-14	Evolutionary Biology	6	6	36	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	8	6	48	2024			
		DSE-4	Endocrinology	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.61</b>							Letter Grade in CGPA : <b>B+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.07</b>										

Date of Publication of Result : 31.08.2024


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

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: MADHULINA BARIK

Roll No. 210340500048

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2021	9.00	9.00	Q
		CC-2	Archegoniatae	10	6	60	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2022	9.00	9.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2022	8.33	8.62	Q
		CC-6	Plant Systematics	8	6	48	2022			
		CC-7	Economic Botany	9	6	54	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	10	2	20	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	10	6	60	2023	9.67	9.46	Q
		CC-9	Biomolecules and Cell Biology	10	6	60	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
	BOTANY	SEC-2	Herbal Technology	9	2	18	2023			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2023	8.50	8.50	Q
		CC-12	Plant Metabolism	8	6	48	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	9	6	54	2024	8.50	8.50	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.78</b>							Letter Grade in CGPA : A+	Result : Q		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.89</b>										

Date of Publication of Result : 31.08.2024


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: MADHURA CHAKRABORTY

Roll No. 210340500049

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	2021	9.00	9.09	Q
		CC-2	Physical Chemistry-I	9	6	54	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	9.00	9.10	Q
		CC-4	Organic Chemistry-II	9	6	54	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2022	7.00	6.85	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2023	7.33	7.08	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2023			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2023			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	8	2	16	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	8	6	48	2023	7.00	7.00	Q
		CC-12	Organic Chemistry-V	7	6	42	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	6	6	36	2023			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2024	8.00	8.00	Q
		CC-14	Physical Chemistry-IV	6	6	36	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.72</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.77</b>										

Date of Publication of Result : 31.08.2024

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: MAMUN AL RASHID

Roll No. 210340500050

Honours: MATHEMATICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	MATHEMATICS	CC-1	Calculus, Geometry & Differential Equations	9	6	54	2021	9.50	9.27	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	9.00	9.30	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2022	6.67	6.62	Q
		CC-6	Group Theory I	6	6	36	2022			
		CC-7	Numerical Methods	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	8	6	48	2023	6.00	6.85	Q
		CC-9	Multivariate Calculus	6	6	36	2023			
		CC-10	Ring Theory and Linear Algebra I	4	6	24	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	5	6	30	2023			SNC
		CC-12	Mechanics I	NA	6	NA				
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2023			
		DSE-2	Probability & Statistics	7	6	42	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2024	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **MANAMITA DATTA**Roll No. **210340500051**

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	10	6	60	2021	10.00	9.73	Q
		CC-2	Ecology	10	6	60	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.50	9.70	Q
		CC-4	Cell Biology	10	6	60	2022			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2022	9.00	8.92	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	9	6	54	2022			
		CC-7	Fundamentals of Biochemistry	9	6	54	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	8	6	48	2023	8.67	8.54	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2023			
		CC-10	Immunology	9	6	54	2023			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2023			
V	ZOOLOGY	CC-11	Molecular Biology	9	6	54	2023	8.75	8.75	Q
		CC-12	Genetics	9	6	54	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	9	6	54	2023			
		DSE-2	Parasitology	8	6	48	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2024	8.25	8.25	Q
		CC-14	Evolutionary Biology	8	6	48	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2024			
		DSE-4	Endocrinology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.89</b>							<b>Letter Grade in CGPA : A+</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.94</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: MD ARIF MONDAL

Roll No. 210340500052

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	2021	6.50	7.09	Q
		CC-2	Algebra	8	6	48	2021			
	PHYSICS	GE-1	Mechanics	7	6	42	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	5	6	30	2022	4.50	6.30	Q
		CC-4	Differential Equations and Vector Calculus	4	6	24	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2022	5.67	5.23	Q
		CC-6	Group Theory I	5	6	30	2022			
		CC-7	Numerical Methods	6	6	36	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	NC	6	NC		SNC		
		CC-9	Multivariate Calculus	NC	6	NC				
		CC-10	Ring Theory and Linear Algebra I	NA	6	NA				
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
MATHEMATICS	SEC-2	Graph Theory	7	2	14	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	8	6	48	2023	5.00	5.00	Q
		CC-12	Mechanics I	4	6	24	2023			
	MATHEMATICS	DSE-1	Linear Programming	4	6	24	2023			
		DSE-2	Probability & Statistics	4	6	24	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2024	6.00	6.00	Q
		CC-14	Ring Theory and Linear Algebra II	4	6	24	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	5	6	30	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: MUSKAN PARVEEN

Roll No. 210340500054

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	10	6	60	2021	10.00	9.18	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.30	Q
		CC-4	Structural Geology	10	6	60	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	9	6	54	2022	8.67	7.92	Q
		CC-6	Sedimentology	8	6	48	2022			
		CC-7	Paleontology	9	6	54	2022			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	9	6	54	2023	8.67	7.92	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	8	6	48	2023			
	PHYSICS	GE-4	Waves and Optics	5	6	30	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	10	6	60	2023	9.50	9.50	Q
		CC-12	Economic Geology	9	6	54	2023			
	GEOLOGY	DSE-1	Geodynamics	9	6	54	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	10	6	60	2024	9.50	9.50	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.28</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.85</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: OINDRILA MITRA

Roll No. 210340500059

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2021	8.00	8.45	Q
		CC-2	Archegoniatae	8	6	48	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2022	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2022	8.67	8.15	Q
		CC-6	Plant Systematics	9	6	54	2022			
		CC-7	Economic Botany	9	6	54	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	7	6	42	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	7	2	14	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2023	9.00	8.54	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	7	6	42	2023			
	BOTANY	SEC-2	Herbal Technology	9	2	18	2023			
V	BOTANY	CC-11	Plant Physiology	9	6	54	2023	8.50	8.50	Q
		CC-12	Plant Metabolism	8	6	48	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	9	6	54	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2024	7.75	7.75	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	7	6	42	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.44</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.34</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: PIYUSH MAJI

Roll No. 210340500061

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	7	6	42	2021	7.00	7.82	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2022	8.50	8.40	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	7.00	6.92	Q
		CC-6	Thermal Physics	6	6	36	2022			
		CC-7	Digital Systems and Applications	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	7.00	7.08	Q
		CC-9	Elements of Modern Physics	6	6	36	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	7	6	42	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	8	2	16	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2023	6.00	6.00	Q
		CC-12	Solid State Physics	5	6	30	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2023			
		DSE-2	Classical Dynamics	5	6	30	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2024	7.75	7.75	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.11</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.28</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: PRAKASH MONDAL

Roll No. 210340500062

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	2021	7.00	7.55	Q
		CC-2	Physical Chemistry-I	7	6	42	2021			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2022	8.00	8.10	Q
		CC-4	Organic Chemistry-II	8	6	48	2022			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2022	6.67	6.31	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	CC-7	Organic Chemistry-III	6	6	36	2022				
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2023	7.33	7.23	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2023			
	CC-10	Organic Chemistry - IV	8	6	48	2023				
	PHYSICS	GE-4	Waves and Optics	7	6	42	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2023	7.00	7.00	Q
		CC-12	Organic Chemistry-V	7	6	42	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2023			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	7	6	42	2024	8.00	8.00	Q
		CC-14	Physical Chemistry-IV	7	6	42	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.33</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.32</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: PREYASHI TALUKDAR

Roll No. 210340500064

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2021	7.50	8.45	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2022	8.00	8.40	Q
		CC-4	Waves and Optics	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	6.67	6.46	Q
		CC-6	Thermal Physics	5	6	30	2022			
		CC-7	Digital Systems and Applications	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	6	2	12	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	6.67	6.92	Q
		CC-9	Elements of Modern Physics	6	6	36	2023			
		CC-10	Analog Systems & Applications	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	8	6	48	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	6	2	12	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2023	6.00	6.00	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	7.25	7.25	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.89</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.18</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: PRITAM HALDER

Roll No. 210340500065

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	2021	9.50	9.36	Q
		CC-2	Physical Chemistry-I	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	9.00	9.00	Q
		CC-4	Organic Chemistry-II	9	6	54	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2022	7.00	6.69	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	CC-7	Organic Chemistry-III	6	6	36	2022				
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2023	7.00	6.62	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2023			
	CC-10	Organic Chemistry - IV	7	6	42	2023				
	PHYSICS	GE-4	Waves and Optics	5	6	30	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2023	6.50	6.50	Q
		CC-12	Organic Chemistry-V	6	6	36	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2023			
		DSE-2	Analytical Methods in Chemistry	6	6	36	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	7	6	42	2024	8.00	8.00	Q
		CC-14	Physical Chemistry-IV	7	6	42	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.61</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.61</b>										

Date of Publication of Result : 31.08.2024

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

*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	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **PRIYA GHOSH**Roll No. **210340500067**

Honours: <b>PHYSIOLOGY</b>										
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	2021	9.50	9.18	Q
		CC-2	Biological Physics and Enzymes	10	6	60	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2022	9.00	9.00	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2022			
	ZOOLOGY	GE-2	Comparative Anatomy & Developmental Biology of Vertebrates	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2022	9.00	8.69	Q
		CC-6	Circulation	9	6	54	2022			
		CC-7	Functions of The Nervous System	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2022			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2022			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2023	9.00	8.54	Q
		CC-9	Gastrointestinal Function	9	6	54	2023			
		CC-10	Respiration	9	6	54	2023			
	ZOOLOGY	GE-4	Genetics and Evolutionary Biology	7	6	42	2023			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2023			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2023	9.75	9.75	Q
		CC-12	Endocrinology	9	6	54	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2023			
		DSE-2	Sports and Exercise Physiology	10	6	60	2023			
		CC-13	Reproduction	10	6	60	2024			
VI	PHYSIOLOGY	CC-14	Formation and Excretion of Urine	9	6	54	2024	9.50	9.50	Q
		PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54			
	PHYSIOLOGY		DSE-4	Toxicology	10	6	60			
		CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.33</b>								
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.10</b>										

Date of Publication of Result : 31.08.2024


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course	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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: PURNASRI PAL

Roll No. 210340500069

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	2021	8.00	8.27	Q
		CC-2	Archegoniatae	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	10	6	60	2022	10.00	9.30	Q
		CC-4	Morphology and Anatomy of Angiosperms	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	9	6	54	2022	9.33	8.77	Q
		CC-6	Plant Systematics	9	6	54	2022			
		CC-7	Economic Botany	10	6	60	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2022			
BOTANY	SEC-1	Mushroom Culture Technology	9	2	18	2022				
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2023	9.00	8.62	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
BOTANY	SEC-2	Herbal Technology	10	2	20	2023				
V	BOTANY	CC-11	Plant Physiology	8	6	48	2023	8.00	8.00	Q
		CC-12	Plant Metabolism	8	6	48	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2024	8.00	8.00	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.61</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.48</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: RAJNANDINI DAS

Roll No. 210340500072

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	10	6	60	2021	10.00	9.55	Q
		CC-2	Ecology	10	6	60	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.50	9.30	Q
		CC-4	Cell Biology	10	6	60	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	9	6	54	2022	8.33	8.54	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2022			
		CC-7	Fundamentals of Biochemistry	9	6	54	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	9	2	18	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	9	6	54	2023	9.00	9.00	Q
		CC-9	Animal Physiology: Life Sustaining Systems	9	6	54	2023			
		CC-10	Immunology	9	6	54	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	9	6	54	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	9	2	18	2023			
V	ZOOLOGY	CC-11	Molecular Biology	10	6	60	2023	8.50	8.50	Q
		CC-12	Genetics	9	6	54	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2023			
		DSE-2	Parasitology	8	6	48	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	8	6	48	2024	8.75	8.75	Q
		CC-14	Evolutionary Biology	9	6	54	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	9	6	54	2024			
		DSE-4	Endocrinology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.89</b>							Letter Grade in CGPA : <b>A+</b>	Result : <b>Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.92</b>										

Date of Publication of Result : 31.08.2024


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: RANIT SAHA

Roll No. 210340500074

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	10	6	60	2021	9.50	9.00	Q
		CC-2	Ecology	9	6	54	2021			
	PHYSIOLOGY	GE-1	Cellular Physiology, Biophysics, Biochemistry of Biomolecules	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	8	6	48	2022	8.50	8.10	Q
		CC-4	Cell Biology	9	6	54	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	7	6	42	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2022	4.67	5.46	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2023			
		CC-7	Fundamentals of Biochemistry	4	6	24	2022			
	PHYSIOLOGY	GE-3	Respiratory and Cardiovascular Physiology	8	6	48	2022			
	ZOOLOGY	SEC-1	Apiculture	5	2	10	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	NA	6	NA				SNC
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2023			
		CC-10	Immunology	NA	6	NA				
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2023			
ZOOLOGY	SEC-2	Medical Diagnostics	4	2	8	2023				
V	ZOOLOGY	CC-11	Molecular Biology	NA	6	NA				SNC
		CC-12	Genetics	NA	6	NA				
	ZOOLOGY	DSE-1	Animal Biotechnology	NA	6	NA				
		DSE-2	Parasitology	NA	6	NA				
VI	ZOOLOGY	CC-13	Developmental Biology	NA	6	NA				SNC
		CC-14	Evolutionary Biology	NA	6	NA				
	ZOOLOGY	DSE-3	Animal Behaviour	4	6	24	2024			
		DSE-4	Endocrinology	4	6	24	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **ROHINI TANTI**Roll No. **210340500075**

Honours: <b>PHYSIOLOGY</b>										
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	2021	8.50	8.09	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2022	8.50	9.00	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	9	6	54	2022	8.67	8.77	Q
		CC-6	Circulation	9	6	54	2022			
		CC-7	Functions of The Nervous System	8	6	48	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2022			
	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	9	2	18	2022			
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2023	9.00	8.54	Q
		CC-9	Gastrointestinal Function	9	6	54	2023			
		CC-10	Respiration	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
	PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2023			
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2023	9.50	9.50	Q
		CC-12	Endocrinology	9	6	54	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2023			
		DSE-2	Sports and Exercise Physiology	10	6	60	2023			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2024	9.25	9.25	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2024			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2024			
		DSE-4	Toxicology	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.00</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.86</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: RUPSA DAS

Roll No. 210340500077

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	7	6	42	2021	7.00	8.00	Q
		CC-2	Mechanics	7	6	42	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2022	7.50	8.10	Q
		CC-4	Waves and Optics	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	6.00	6.15	Q
		CC-6	Thermal Physics	5	6	30	2022			
		CC-7	Digital Systems and Applications	6	6	36	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	6	6	36	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	6.67	6.38	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	5	2	10	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2023	5.75	5.75	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2024	7.75	7.75	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.72</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.96</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SAGARICA BISWAS

Roll No. 210340500078

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	10	6	60	2021	10.00	9.73	Q
		CC-2	Ecology	10	6	60	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.50	9.30	Q
		CC-4	Cell Biology	10	6	60	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	6	6	36	2022	5.00	5.08	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	5	6	30	2022			
		CC-7	Fundamentals of Biochemistry	4	6	24	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2022			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2023	4.33	4.77	Q
		CC-9	Animal Physiology: Life Sustaining Systems	4	6	24	2023			
		CC-10	Immunology	4	6	24	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	6	6	36	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	5	2	10	2023			
V	ZOOLOGY	CC-11	Molecular Biology	NA	6	NA				SNC
		CC-12	Genetics	4	6	24	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2023			
		DSE-2	Parasitology	NA	6	NA				
VI	ZOOLOGY	CC-13	Developmental Biology	4	6	24	2024	4.25	4.25	Q
		CC-14	Evolutionary Biology	4	6	24	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	5	6	30	2024			
		DSE-4	Endocrinology	4	6	24	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>		<b>Result : PNC</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **SAMPURNA HALDER**Roll No. **210340500080**

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	10	6	60	2021	10.00	9.27	Q
		CC-2	Ecology	10	6	60	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	8.80	Q
		CC-4	Cell Biology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	ZOOLOGY	CC-5	Chordates	7	6	42	2022	6.67	7.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	7	6	42	2022			
		CC-7	Fundamentals of Biochemistry	6	6	36	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	9	6	54	2022			
	ZOOLOGY	SEC-1	Apiculture	7	2	14	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	6	6	36	2023	6.00	6.69	Q
		CC-9	Animal Physiology: Life Sustaining Systems	6	6	36	2023			
		CC-10	Immunology	6	6	36	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	6	2	12	2023			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2023	6.25	6.25	Q
		CC-12	Genetics	6	6	36	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	6	6	36	2023			
		DSE-2	Parasitology	5	6	30	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	7	6	42	2024	7.25	7.25	Q
		CC-14	Evolutionary Biology	7	6	42	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2024			
		DSE-4	Endocrinology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.22</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.51</b>										

Date of Publication of Result : 31.08.2024

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

*Anindya Zohi Pal*

**Controller of Examinations**

Course Type	CGPA Letter Grades			Result Codes
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)
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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SANDIPAN BANERJEE

Roll No. 210340500082

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	2021	8.50	8.09	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2022	9.00	9.40	Q
		CC-4	Chemistry of Biomolecules	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	8	6	48	2022	8.33	8.23	Q
		CC-6	Circulation	9	6	54	2022			
		CC-7	Functions of The Nervous System	8	6	48	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	8	6	48	2022			
PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2022				
IV	PHYSIOLOGY	CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2023	9.00	8.77	Q
		CC-9	Gastrointestinal Function	9	6	54	2023			
		CC-10	Respiration	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18	2023				
V	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2023	9.25	9.25	Q
		CC-12	Endocrinology	9	6	54	2023			
	PHYSIOLOGY	DSE-1	Biological Statistics	9	6	54	2023			
		DSE-2	Sports and Exercise Physiology	9	6	54	2023			
VI	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2024	9.00	9.00	Q
		CC-14	Formation and Excretion of Urine	9	6	54	2024			
	PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2024			
		DSE-4	Toxicology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.89</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.77</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SAYAK NEOGI

Roll No. 210340500083

Honours: ECONOMICS										
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	ECONOMICS	CC-1	Introductory Microeconomics	9	6	54	2021	9.50	8.82	Q
		CC-2	Statistics-I	10	6	60	2021			
	STATISTICS	GE-1	Statistical Methods	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	ECONOMICS	CC-3	Introductory Macroeconomics	9	6	54	2022	8.50	9.10	Q
		CC-4	Mathematical Economics-I	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	ECONOMICS	CC-5	Intermediate Microeconomics	8	6	48	2022	8.00	7.31	Q
		CC-6	Intermediate Macroeconomics	8	6	48	2022			
	CC-7	Mathematical Economics -II	8	6	48	2022				
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
ECONOMICS	SEC-1	Managerial Economics	8	2	16	2022				
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	6	6	36	2023	7.33	7.92	Q
		CC-9	Statistics-II	9	6	54	2023			
	CC-10	Development Economics	7	6	42	2023				
	STATISTICS	GE-4	Applied Statistics	9	6	54	2023			
ECONOMICS	SEC-2	Basic Computer Applications	10	2	20	2023				
V	ECONOMICS	CC-11	International Economics	8	6	48	2023	7.00	7.00	Q
		CC-12	Money and Banking	6	6	36	2023			
	ECONOMICS	DSE-1	Rural Development	6	6	36	2023			
		DSE-2	Public Economics	8	6	48	2023			
VI	ECONOMICS	CC-13	Basic Econometrics	5	6	30	2024	7.75	7.75	Q
		CC-14	Field Survey & Project Report	10	6	60	2024			
	ECONOMICS	DSE-3	Political Economy	8	6	48	2024			
		DSE-4	Entrepreneurship Development	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.93</b>										

Date of Publication of Result : 31.08.2024

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

*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:		
	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SAYAK SEN

Roll No. 210340500084

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	2021	8.00	8.73	Q
		CC-2	Physical Chemistry-I	7	6	42	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2022	8.00	8.40	Q
		CC-4	Organic Chemistry-II	8	6	48	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2022	5.67	5.54	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2022			
	CC-7	Organic Chemistry-III	4	6	24	2022				
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2023	5.33	5.31	Q
		CC-9	Inorganic Chemistry-III	5	6	30	2023			
	CC-10	Organic Chemistry - IV	6	6	36	2023				
	PHYSICS	GE-4	Waves and Optics	5	6	30	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	4	6	24	2023	4.50	4.50	Q
		CC-12	Organic Chemistry-V	4	6	24	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2023			
		DSE-2	Analytical Methods in Chemistry	5	6	30	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	4	6	24	2024	6.00	6.00	Q
		CC-14	Physical Chemistry-IV	5	6	30	2024			
	CHEMISTRY	DSE-3	Green Chemistry	6	6	36	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>5.94</b>							<b>Letter Grade in CGPA : B</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.30</b>										

Date of Publication of Result : 31.08.2024

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

*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%
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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SHIRDHARTA SEKHAR DEY

Roll No. 210340500085

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	2021	7.50	8.00	Q
		CC-2	Physical Chemistry-I	7	6	42	2021			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2022	6.00	6.70	Q
		CC-4	Organic Chemistry-II	6	6	36	2022			
	PHYSICS	GE-2	Electricity and Magnetism	7	6	42	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	5	6	30	2022	5.33	5.08	Q
		CC-6	Inorganic Chemistry-II	6	6	36	2022			
	CC-7	Organic Chemistry-III	5	6	30	2022				
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2023	5.00	5.00	Q
		CC-9	Inorganic Chemistry-III	5	6	30	2023			
	CC-10	Organic Chemistry - IV	5	6	30	2023				
	PHYSICS	GE-4	Waves and Optics	5	6	30	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	5	6	30	2023	4.50	4.50	Q
		CC-12	Organic Chemistry-V	4	6	24	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2023			
		DSE-2	Analytical Methods in Chemistry	4	6	24	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	4	6	24	2024	5.25	5.25	Q
		CC-14	Physical Chemistry-IV	4	6	24	2024			
	CHEMISTRY	DSE-3	Green Chemistry	4	6	24	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>5.39</b>							<b>Letter Grade in CGPA : B</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>5.68</b>										

Date of Publication of Result : 31.08.2024

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:	
	Grade Point	Percentage
90% to 100%	10	80% and above but below 90%
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)

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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SHOURYASANKAR NANDY

Roll No. 210340500086

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	9	6	54	2021	9.00	9.00	Q
		CC-2	Mechanics	9	6	54	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2022	9.50	9.60	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	8	6	48	2022	8.00	8.31	Q
		CC-6	Thermal Physics	7	6	42	2022			
		CC-7	Digital Systems and Applications	9	6	54	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	9	6	54	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2023	9.00	8.15	Q
		CC-9	Elements of Modern Physics	9	6	54	2023			
		CC-10	Analog Systems & Applications	9	6	54	2023			
	MATHEMATICS	GE-4	Algebra	5	6	30	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2023	7.00	7.00	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2023			
		DSE-2	Classical Dynamics	6	6	36	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	9	6	54	2024	8.75	8.75	Q
		CC-14	Statistical Mechanics	9	6	54	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.39</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.42</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SHREYA GHOSH

Roll No. 210340500087

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	2021	9.00	9.09	Q
		CC-2	Physical Chemistry-I	9	6	54	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	8.50	8.50	Q
		CC-4	Organic Chemistry-II	8	6	48	2022			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	9	6	54	2022	8.67	8.00	Q
		CC-6	Inorganic Chemistry-II	9	6	54	2022			
	CC-7	Organic Chemistry-III	8	6	48	2022				
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2023	7.67	7.38	Q
		CC-9	Inorganic Chemistry-III	8	6	48	2023			
	CC-10	Organic Chemistry - IV	7	6	42	2023				
	PHYSICS	GE-4	Waves and Optics	6	6	36	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	7	6	42	2023	7.25	7.25	Q
		CC-12	Organic Chemistry-V	8	6	48	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2023			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2024	8.00	8.00	Q
		CC-14	Physical Chemistry-IV	6	6	36	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.06</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.00</b>										

Date of Publication of Result : 31.08.2024

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

*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:			
	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SK ABDUL ALIM

Roll No. 210340500089

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	9	6	54	2021	9.50	9.00	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.60	Q
		CC-4	Structural Geology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	8	6	48	2022	8.33	7.92	Q
		CC-6	Sedimentology	7	6	42	2022			
		CC-7	Paleontology	10	6	60	2022			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	9	6	54	2023	9.33	9.08	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	10	6	60	2023			
		CC-10	Phanerozoic Stratigraphy of India	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	10	6	60	2023	9.75	9.75	Q
		CC-12	Economic Geology	9	6	54	2023			
	GEOLOGY	DSE-1	Geodynamics	10	6	60	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	9	6	54	2024	9.50	9.50	Q
		CC-14	Engineering Geology	10	6	60	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.33</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.11</b>										

Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

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



**THE UNIVERSITY OF BURDWAN**  
**B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2024 UNDER CBCS**  
**GRADE CARD**

Name: SNEHA BISWAS

Roll No. 210340500090

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	2021	10.00	9.55	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2022	9.00	9.00	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2022	8.00	7.85	Q
		CC-6	Group Theory I	7	6	42	2022			
		CC-7	Numerical Methods	10	6	60	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2022			
	MATHEMATICS	SEC-1	Logic and Sets	6	2	12	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2023	7.33	7.31	Q
		CC-9	Multivariate Calculus	6	6	36	2023			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
MATHEMATICS	SEC-2	Graph Theory	8	2	16	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023	7.50	7.50	Q
		CC-12	Mechanics I	5	6	30	2023			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2023			
		DSE-2	Probability & Statistics	9	6	54	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.23</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SNEHASHIS MONDAL

Roll No. 210340500091

Honours: ECONOMICS										
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	ECONOMICS	CC-1	Introductory Microeconomics	9	6	54	2021	9.00	8.09	Q
		CC-2	Statistics-I	9	6	54	2021			
	STATISTICS	GE-1	Statistical Methods	7	6	42	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	ECONOMICS	CC-3	Introductory Macroeconomics	7	6	42	2022	8.00	8.20	Q
		CC-4	Mathematical Economics-I	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	8	6	48	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	ECONOMICS	CC-5	Intermediate Microeconomics	4	6	24	2023			SNC
		CC-6	Intermediate Macroeconomics	4	6	24	2022			
		CC-7	Mathematical Economics -II	4	6	24	2022			
	MATHEMATICS	GE-3	Real Analysis	NA	6	NA				
ECONOMICS	SEC-1	Managerial Economics	5	2	10	2022				
IV	ECONOMICS	CC-8	Selected Features of Indian Economy	4	6	24	2023			SNC
		CC-9	Statistics-II	4	6	24	2023			
		CC-10	Development Economics	NA	6	NA				
	STATISTICS	GE-4	Applied Statistics	7	6	42	2023			
ECONOMICS	SEC-2	Basic Computer Applications	10	2	20	2023				
V	ECONOMICS	CC-11	International Economics	5	6	30	2023	4.75	4.75	Q
		CC-12	Money and Banking	5	6	30	2023			
	ECONOMICS	DSE-1	Rural Development	4	6	24	2023			
		DSE-2	Public Economics	5	6	30	2023			
VI	ECONOMICS	CC-13	Basic Econometrics	NA	6	NA				SNC
		CC-14	Field Survey & Project Report	10	6	60	2024			
	ECONOMICS	DSE-3	Political Economy	5	6	30	2024			
		DSE-4	Entrepreneurship Development	5	6	30	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :	Result : PNC		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 31.08.2024


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

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SOHANA MALLICK

Roll No. 210340500092

Honours: BOTANY										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	BOTANY	CC-1	Microbiology and Phycology	8	6	48	2021	8.50	8.27	Q
		CC-2	Archegoniatae	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	7	6	42	2022	7.50	8.10	Q
		CC-4	Morphology and Anatomy of Angiosperms	8	6	48	2022			
	PHYSIOLOGY	GE-2	Digestion and Metabolism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	8	6	48	2022	8.67	8.31	Q
		CC-6	Plant Systematics	9	6	54	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	7	6	42	2022			
	BOTANY	SEC-1	Mushroom Culture Technology	9	2	18	2022			
IV	BOTANY	CC-8	Palaeobotany & Palynology	9	6	54	2023	9.00	9.08	Q
		CC-9	Biomolecules and Cell Biology	9	6	54	2023			
		CC-10	Molecular Biology	9	6	54	2023			
	PHYSIOLOGY	GE-4	Endocrinology, Renal Physiology, Skin and Body Temperature Regulation	9	6	54	2023			
BOTANY	SEC-2	Herbal Technology	10	2	20	2023				
V	BOTANY	CC-11	Plant Physiology	9	6	54	2023	8.25	8.25	Q
		CC-12	Plant Metabolism	8	6	48	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	8	6	48	2024	8.00	8.00	Q
		CC-14	Plant Biotechnology	8	6	48	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	8	6	48	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.33</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.35</b>										


Date of Publication of Result : 31.08.2024

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*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **SOMJYOTI CHATTERJEE**Roll No. **210340500094**

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	2021	8.00	8.55	Q
		CC-2	Physical Chemistry-I	8	6	48	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	7	6	42	2022	7.00	7.80	Q
		CC-4	Organic Chemistry-II	7	6	42	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2022	6.00	5.69	Q
		CC-6	Inorganic Chemistry-II	7	6	42	2022			
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2022			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	5	6	30	2023	6.00	6.23	Q
		CC-9	Inorganic Chemistry-III	7	6	42	2023			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2023			
	CHEMISTRY	SEC-2	Pharmaceutical Chemistry	9	2	18	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2023	5.75	5.75	Q
		CC-12	Organic Chemistry-V	6	6	36	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	5	6	30	2023			
		DSE-2	Analytical Methods in Chemistry	6	6	36	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	6	6	36	2024	7.50	7.50	Q
		CC-14	Physical Chemistry-IV	6	6	36	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.61</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.85</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SOUMALYA GHOSAL

Roll No. 210340500095

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	2021	9.00	9.09	Q
		CC-2	Physical Chemistry-I	9	6	54	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	8.50	8.70	Q
		CC-4	Organic Chemistry-II	8	6	48	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2022	7.00	6.38	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	CC-7	Organic Chemistry-III	7	6	42	2022				
	MATHEMATICS	GE-3	Real Analysis	4	6	24	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	8	6	48	2023	8.33	8.15	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2023			
	CC-10	Organic Chemistry - IV	8	6	48	2023				
	PHYSICS	GE-4	Waves and Optics	7	6	42	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2023	7.25	7.25	Q
		CC-12	Organic Chemistry-V	8	6	48	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2023			
		DSE-2	Analytical Methods in Chemistry	8	6	48	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	8	6	48	2024	8.25	8.25	Q
		CC-14	Physical Chemistry-IV	7	6	42	2024			
	CHEMISTRY	DSE-3	Green Chemistry	8	6	48	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.94</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.92</b>										

Date of Publication of Result : 31.08.2024

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

*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:			
	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SOUMEN MONDAL

Roll No. 210340500096

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2021	8.00	8.91	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	8	6	48	2022	8.50	8.70	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	6	6	36	2022	6.00	6.00	Q
		CC-6	Thermal Physics	5	6	30	2022			
		CC-7	Digital Systems and Applications	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	5	6	30	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2023	6.00	6.23	Q
		CC-9	Elements of Modern Physics	6	6	36	2023			
		CC-10	Analog Systems & Applications	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	6	6	36	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	5	6	30	2023	5.75	5.75	Q
		CC-12	Solid State Physics	6	6	36	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	8	6	48	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	7.00	7.00	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>6.67</b>							<b>Letter Grade in CGPA : B+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.00</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SOURASHIS BANDYOPADHYAY

Roll No. 210340500097

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	2021	8.00	8.18	Q
		CC-2	Ecology	8	6	48	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	9.40	Q
		CC-4	Cell Biology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	ZOOLOGY	CC-5	Chordates	8	6	48	2022	7.67	7.77	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	8	6	48	2022			
		CC-7	Fundamentals of Biochemistry	7	6	42	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2022			
	ZOOLOGY	SEC-1	Apiculture	8	2	16	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	7	6	42	2023	7.33	7.23	Q
		CC-9	Animal Physiology: Life Sustaining Systems	8	6	48	2023			
		CC-10	Immunology	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	7	2	14	2023			
V	ZOOLOGY	CC-11	Molecular Biology	8	6	48	2023	7.00	7.00	Q
		CC-12	Genetics	7	6	42	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	7	6	42	2023			
		DSE-2	Parasitology	6	6	36	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	6	6	36	2024	7.25	7.25	Q
		CC-14	Evolutionary Biology	7	6	42	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	7	6	42	2024			
		DSE-4	Endocrinology	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.56</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.75</b>										

Date of Publication of Result : 31.08.2024

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

*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	*Letter Grade in CGPA is awarded on the basis of CCs and DSEs
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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SOVAN KAYAL

Roll No. 210340500100

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	2021	9.00	9.00	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	9.50	9.60	Q
		CC-4	Differential Equations and Vector Calculus	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2022	8.00	7.54	Q
		CC-6	Group Theory I	7	6	42	2022			
		CC-7	Numerical Methods	9	6	54	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	7	6	42	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	9	6	54	2023	7.67	7.62	Q
		CC-9	Multivariate Calculus	7	6	42	2023			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
MATHEMATICS	SEC-2	Graph Theory	6	2	12	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023	7.00	7.00	Q
		CC-12	Mechanics I	4	6	24	2023			
	MATHEMATICS	DSE-1	Linear Programming	7	6	42	2023			
		DSE-2	Probability & Statistics	8	6	48	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	9.00	9.00	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.22</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.23</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SUBHOJIT GHOSH

Roll No. 210340500106

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	2021	7.50	8.18	Q
		CC-2	Algebra	8	6	48	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	9.00	9.00	Q
		CC-4	Differential Equations and Vector Calculus	8	6	48	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2022	5.00	4.92	Q
		CC-6	Group Theory I	4	6	24	2022			
		CC-7	Numerical Methods	5	6	30	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
	MATHEMATICS	SEC-1	Logic and Sets	4	2	8	2023			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	NA	6	NA				SNC
		CC-9	Multivariate Calculus	NA	6	NA				
		CC-10	Ring Theory and Linear Algebra I	NA	6	NA				
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
MATHEMATICS	SEC-2	Graph Theory	7	2	14	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	NC	6	NC				SNC
		CC-12	Mechanics I	NC	6	NC				
	MATHEMATICS	DSE-1	Linear Programming	NC	6	NC				
		DSE-2	Probability & Statistics	NA	6	NA				
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	7	6	42	2024	7.50	7.50	Q
		CC-14	Ring Theory and Linear Algebra II	8	6	48	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							<b>Letter Grade in CGPA :</b>	<b>Result : PNC</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SUDIP DEY

Roll No. 210340500108

Honours: PHYSICS										
Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of		Result Code
								CCs & DSEs	All Courses	
I	PHYSICS	CC-1	Mathematical Physics-I	8	6	48	2021	8.00	8.45	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	9.00	9.10	Q
		CC-4	Waves and Optics	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	7	6	42	2022	6.67	6.85	Q
		CC-6	Thermal Physics	6	6	36	2022			
		CC-7	Digital Systems and Applications	7	6	42	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	7	6	42	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	7	6	42	2023	6.67	7.38	Q
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	9	6	54	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	6	6	36	2023	6.50	6.50	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	9	6	54	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	7	6	42	2024	7.50	7.50	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	8	6	48	2024			
		DSE-4	Astronomy and Astrophysics	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.22</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.56</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SUDIPTA DAS

Roll No. 210340500109

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	2021	8.00	8.18	Q
		CC-2	Algebra	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	9	6	54	2022	8.00	8.70	Q
		CC-4	Differential Equations and Vector Calculus	7	6	42	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	8	6	48	2022	7.67	7.69	Q
		CC-6	Group Theory I	5	6	30	2022			
		CC-7	Numerical Methods	10	6	60	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2022			
	MATHEMATICS	SEC-1	Logic and Sets	7	2	14	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	7	6	42	2023	7.67	8.08	Q
		CC-9	Multivariate Calculus	9	6	54	2023			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	9	6	54	2023			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023	7.00	7.00	Q
		CC-12	Mechanics I	5	6	30	2023			
	MATHEMATICS	DSE-1	Linear Programming	6	6	36	2023			
		DSE-2	Probability & Statistics	8	6	48	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	8.75	8.75	Q
		CC-14	Ring Theory and Linear Algebra II	10	6	60	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.04</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SUMAN SAHANA

Roll No. 210340500110

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	2021	8.00	8.36	Q
		CC-2	Algebra	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	MATHEMATICS	CC-3	Real Analysis	8	6	48	2022	6.50	7.50	Q
		CC-4	Differential Equations and Vector Calculus	5	6	30	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2022	7.33	7.31	Q
		CC-6	Group Theory I	7	6	42	2022			
		CC-7	Numerical Methods	8	6	48	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	8	6	48	2022			
	MATHEMATICS	SEC-1	Logic and Sets	5	2	10	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2023	8.33	7.92	Q
		CC-9	Multivariate Calculus	8	6	48	2023			
		CC-10	Ring Theory and Linear Algebra I	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
	MATHEMATICS	SEC-2	Graph Theory	7	2	14	2023			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	9	6	54	2023	6.75	6.75	Q
		CC-12	Mechanics I	6	6	36	2023			
	MATHEMATICS	DSE-1	Linear Programming	5	6	30	2023			
		DSE-2	Probability & Statistics	7	6	42	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	8	6	48	2024	8.50	8.50	Q
		CC-14	Ring Theory and Linear Algebra II	9	6	54	2024			
	MATHEMATICS	DSE-3	Project Work	9	6	54	2024			
		DSE-4	Mechanics II	8	6	48	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.61</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.72</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **SUNDAR GUPTA**Roll No. **210340500111**

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	10	6	60	2021	10.00	9.64	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.00	8.70	Q
		CC-4	Structural Geology	9	6	54	2022			
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	10	6	60	2022	9.33	9.08	Q
		CC-6	Sedimentology	9	6	54	2022			
		CC-7	Paleontology	9	6	54	2022			
	MATHEMATICS	GE-3	Real Analysis	8	6	48	2022			
	GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022			
IV	GEOLOGY	CC-8	Metamorphic Petrology	9	6	54	2023	9.33	8.54	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	10	6	60	2023			
		CC-10	Phanerozoic Stratigraphy of India	9	6	54	2023			
	PHYSICS	GE-4	Waves and Optics	6	6	36	2023			
	GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	9	2	18	2023			
V	GEOLOGY	CC-11	Hydrogeology	10	6	60	2023	9.75	9.75	Q
		CC-12	Economic Geology	9	6	54	2023			
	GEOLOGY	DSE-1	Geodynamics	10	6	60	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	10	6	60	2024	9.75	9.75	Q
		CC-14	Engineering Geology	10	6	60	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.56</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.24</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SUPRIYA BANERJEE

Roll No. 210340500113

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	2021	8.50	8.36	Q
		CC-2	Biological Physics and Enzymes	9	6	54	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	PHYSIOLOGY	CC-3	Physiology of Nerve and Muscle Cells	9	6	54	2022	8.50	8.50	Q
		CC-4	Chemistry of Biomolecules	8	6	48	2022			
	BOTANY	GE-2	Plant Ecology and Taxonomy	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2022			
III	PHYSIOLOGY	CC-5	Circulating Body Fluids	10	6	60	2022	9.33	9.15	Q
		CC-6	Circulation	9	6	54	2022			
	CC-7	Functions of The Nervous System	9	6	54	2022				
	ZOOLOGY	GE-3	Physiology and Biochemistry	9	6	54	2022			
IV	PHYSIOLOGY	SEC-1	Detection of Food Additives/Adulterants	8	2	16	2022	9.00	8.77	Q
		CC-8	Energy Balance, Metabolism and Nutrition	9	6	54	2023			
		CC-9	Gastrointestinal Function	9	6	54	2023			
	BOTANY	GE-4	Plant Physiology and Metabolism	8	6	48	2023			
V	PHYSIOLOGY	CC-10	Respiration	9	6	54	2023	9.75	9.75	Q
		PHYSIOLOGY	SEC-2	Hematological Techniques	9	2	18			
	PHYSIOLOGY	CC-11	Special Senses	10	6	60	2023			
		CC-12	Endocrinology	9	6	54	2023			
VI	PHYSIOLOGY	DSE-1	Biological Statistics	10	6	60	2023	9.25	9.25	Q
		DSE-2	Sports and Exercise Physiology	10	6	60	2023			
	PHYSIOLOGY	CC-13	Reproduction	9	6	54	2024			
		CC-14	Formation and Excretion of Urine	9	6	54	2024			
PHYSIOLOGY	DSE-3	Human Nutrition and Dietetics	9	6	54	2024				
	DSE-4	Toxicology	10	6	60	2024				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.17</b>							<b>Letter Grade in CGPA : O</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.99</b>										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **SUSMITA TAH**Roll No. **210340500115**

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	2021	9.00	9.27	Q				
		CC-2	Physical Chemistry-I	9	6	54	2021							
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021							
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021							
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	8	6	48	2022	8.50	8.40	Q				
		CC-4	Organic Chemistry-II	9	6	54	2022							
	PHYSICS	GE-2	Electricity and Magnetism	8	6	48	2022							
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022							
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2022	7.00	6.62	Q				
		CC-6	Inorganic Chemistry-II	7	6	42	2022							
		CC-7	Organic Chemistry-III	7	6	42	2022							
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022							
IV	CHEMISTRY	SEC-1	Basic Analytical Chemistry	8	2	16	2022	8.00	7.77	Q				
		CC-8	Physical Chemistry-III	7	6	42	2023							
		CC-9	Inorganic Chemistry-III	9	6	54	2023							
	PHYSICS	GE-4	Waves and Optics	7	6	42	2023							
V	CHEMISTRY	CC-10	Organic Chemistry - IV	8	6	48	2023	7.25	7.25	Q				
		CC-11	Inorganic Chemistry-IV	7	6	42	2023							
	CHEMISTRY	CC-12	Organic Chemistry-V	7	6	42	2023							
		DSE-1	Advanced Physical Chemistry	7	6	42	2023							
VI	CHEMISTRY	DSE-2	Analytical Methods in Chemistry	8	6	48	2023	8.00	8.00	Q				
		CC-13	Inorganic Chemistry-V	7	6	42	2024							
	CHEMISTRY	CC-14	Physical Chemistry-IV	7	6	42	2024							
		DSE-3	Green Chemistry	8	6	48	2024							
							DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024		
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.83</b>							<b>Letter Grade in CGPA : A</b>		<b>Result : Q</b>					
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.83</b>														

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SWAGATA SAMADDAR

Roll No. 210340500116

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	9	6	54	2021	9.50	9.36	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.00	9.30	Q
		CC-4	Structural Geology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	8	6	48	2022	8.33	7.69	Q
		CC-6	Sedimentology	8	6	48	2022			
		CC-7	Paleontology	9	6	54	2022			
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022				
IV	GEOLOGY	CC-8	Metamorphic Petrology	8	6	48	2023	8.33	8.15	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	10	6	60	2023			
		CC-10	Phanerozoic Stratigraphy of India	7	6	42	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023				
V	GEOLOGY	CC-11	Hydrogeology	9	6	54	2023	8.75	8.75	Q
		CC-12	Economic Geology	8	6	48	2023			
	GEOLOGY	DSE-1	Geodynamics	9	6	54	2023			
		DSE-2	Introduction to Geophysics	9	6	54	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	9	6	54	2024	8.75	8.75	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	8	6	48	2024			
		DSE-4	Evolution of Life Through Time	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.72</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.62</b>										


Date of Publication of Result : 31.08.2024

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

*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 "Not Computed" due to absence in C1, C2 and C4 as applicable.

	Grade Point Norms				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: SWARNALI DE

Roll No. 210340500117

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	7	6	42	2021	7.50	8.27	Q
		CC-2	Mechanics	8	6	48	2021			
	CHEMISTRY	GE-1	Atomic Structure, Chemical Periodicity, Acids And Bases, Redox Reactions, General Organic Chemistry & Aliphatic Hydrocarbons	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	7	6	42	2022	7.50	8.50	Q
		CC-4	Waves and Optics	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	PHYSICS	CC-5	Mathematical Physics-II	4	6	24	2022	4.33	4.46	Q
		CC-6	Thermal Physics	4	6	24	2022			
		CC-7	Digital Systems and Applications	5	6	30	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	4	6	24	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	7	2	14	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	4	6	24	2023			SNC
		CC-9	Elements of Modern Physics	NA	6	NA				
		CC-10	Analog Systems & Applications	NA	6	NA				
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
V	PHYSICS	CC-11	Quantum Mechanics and Applications	4	6	24	2023			SNC
		CC-12	Solid State Physics	5	6	30	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	4	6	24	2023			
		DSE-2	Classical Dynamics	NA	6	NA				
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	6.00	6.00	Q
		CC-14	Statistical Mechanics	6	6	36	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	6	6	36	2024			
		DSE-4	Astronomy and Astrophysics	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs :							Letter Grade in CGPA :	Result : PNC		
CGPA (Cumulative Grade Point Average) on the basis of All Courses :										

Date of Publication of Result : 31.08.2024

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

*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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **TIASA MONDAL**Roll No. **210340500118**

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	2021	7.00	7.55	Q
		CC-2	Archegoniatae	8	6	48	2021			
	ZOOLOGY	GE-1	Animal Diversity	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	7	4	28	2021			
II	BOTANY	CC-3	Mycology and Phytopathology	9	6	54	2022	9.00	8.70	Q
		CC-4	Morphology and Anatomy of Angiosperms	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	8	6	48	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	BOTANY	CC-5	Plant Ecology and Phytogeography	7	6	42	2022	8.33	7.46	Q
		CC-6	Plant Systematics	8	6	48	2022			
		CC-7	Economic Botany	10	6	60	2022			
	ZOOLOGY	GE-3	Physiology and Biochemistry	5	6	30	2022			
BOTANY	SEC-1	Mushroom Culture Technology	7	2	14	2022				
IV	BOTANY	CC-8	Palaeobotany & Palynology	8	6	48	2023	7.67	7.46	Q
		CC-9	Biomolecules and Cell Biology	7	6	42	2023			
		CC-10	Molecular Biology	8	6	48	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	6	6	36	2023			
BOTANY	SEC-2	Herbal Technology	10	2	20	2023				
V	BOTANY	CC-11	Plant Physiology	7	6	42	2023	7.50	7.50	Q
		CC-12	Plant Metabolism	7	6	42	2023			
	BOTANY	DSE-1	Reproductive Biology of Angiosperms	8	6	48	2023			
		DSE-2	Natural Resource Management	8	6	48	2023			
VI	BOTANY	CC-13	Genetics & Plant Breeding	7	6	42	2024	6.75	6.75	Q
		CC-14	Plant Biotechnology	6	6	36	2024			
	BOTANY	DSE-3	Plant Evolution & Biodiversity	7	6	42	2024			
		DSE-4	Horticulture Practices & Post-Harvest Technology	7	6	42	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>7.61</b>							<b>Letter Grade in CGPA : A</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>7.54</b>										

Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: TINA DAS

Roll No. 210340500119

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	2021	9.50	9.36	Q
		CC-2	Physical Chemistry-I	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	9.00	9.00	Q
		CC-4	Organic Chemistry-II	9	6	54	2022			
	PHYSICS	GE-2	Electricity and Magnetism	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	8	6	48	2022	7.67	7.08	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	CC-7	Organic Chemistry-III	7	6	42	2022				
	MATHEMATICS	GE-3	Real Analysis	5	6	30	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	7	6	42	2023	8.00	7.54	Q
		CC-9	Inorganic Chemistry-III	9	6	54	2023			
	CC-10	Organic Chemistry - IV	8	6	48	2023				
	PHYSICS	GE-4	Waves and Optics	6	6	36	2023			
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	9	6	54	2023	7.75	7.75	Q
		CC-12	Organic Chemistry-V	8	6	48	2023			
	CHEMISTRY	DSE-1	Advanced Physical Chemistry	7	6	42	2023			
		DSE-2	Analytical Methods in Chemistry	7	6	42	2023			
VI	CHEMISTRY	CC-13	Inorganic Chemistry-V	9	6	54	2024	8.50	8.50	Q
		CC-14	Physical Chemistry-IV	6	6	36	2024			
	CHEMISTRY	DSE-3	Green Chemistry	9	6	54	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>8.28</b>							<b>Letter Grade in CGPA : A+</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>8.14</b>										

Date of Publication of Result : 31.08.2024

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

*Anindya Zohi Pal*

**Controller of Examinations**

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

Grade Point Norms	Percentage Conversion Formula:		
	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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **TITLI DAS**Roll No. **210340500120**

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	2021	9.00	8.45	Q
		CC-2	Ecology	9	6	54	2021			
	BOTANY	GE-1	Biodiversity (Microbes, Algae, Fungi and Archegoniatae)	7	6	42	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	ZOOLOGY	CC-3	Non-chordates II	9	6	54	2022	9.00	9.00	Q
		CC-4	Cell Biology	9	6	54	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	9	6	54	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	ZOOLOGY	CC-5	Chordates	5	6	30	2022	5.67	6.23	Q
		CC-6	Animal Physiology: Controlling and Coordinating Systems	6	6	36	2022			
		CC-7	Fundamentals of Biochemistry	6	6	36	2022			
	BOTANY	GE-3	Plant Anatomy and Embryology	8	6	48	2022			
	ZOOLOGY	SEC-1	Apiculture	6	2	12	2022			
IV	ZOOLOGY	CC-8	Comparative Anatomy of Vertebrates	5	6	30	2023	5.00	5.46	Q
		CC-9	Animal Physiology: Life Sustaining Systems	5	6	30	2023			
		CC-10	Immunology	5	6	30	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
	ZOOLOGY	SEC-2	Medical Diagnostics	5	2	10	2023			
V	ZOOLOGY	CC-11	Molecular Biology	5	6	30	2023	4.50	4.50	Q
		CC-12	Genetics	5	6	30	2023			
	ZOOLOGY	DSE-1	Animal Biotechnology	4	6	24	2023			
		DSE-2	Parasitology	4	6	24	2023			
VI	ZOOLOGY	CC-13	Developmental Biology	4	6	24	2024	4.75	4.75	Q
		CC-14	Evolutionary Biology	5	6	30	2024			
	ZOOLOGY	DSE-3	Animal Behaviour	6	6	36	2024			
		DSE-4	Endocrinology	4	6	24	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>5.83</b>							<b>Letter Grade in CGPA : B</b>		<b>Result : Q</b>	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>6.28</b>										


Date of Publication of Result : 31.08.2024

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

*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				<b>Percentage Conversion Formula:</b> = (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 2024 UNDER CBCS**  
**GRADE CARD**

Name: **TRIANGSA ROY**Roll No. **210340500121**

Honours: GEOLOGY										
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	GEOLOGY	CC-1	Earth System Science	10	6	60	2021	10.00	9.64	Q
		CC-2	Mineral Science	10	6	60	2021			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	GEOLOGY	CC-3	Elements of Geochemistry	9	6	54	2022	9.50	9.60	Q
		CC-4	Structural Geology	10	6	60	2022			
	CHEMISTRY	GE-2	States of Matter & Chemical Kinetics, Chemical Bonding & Molecular Structure, P-Block Elements	10	6	60	2022			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2022			
III	GEOLOGY	CC-5	Igneous Petrology	8	6	48	2022	8.67	8.15	Q
		CC-6	Sedimentology	8	6	48	2022			
		CC-7	Paleontology	10	6	60	2022			
	MATHEMATICS	GE-3	Real Analysis	6	6	36	2022			
	GEOLOGY	SEC-1	Basic Field Training	10	2	20	2022			
IV	GEOLOGY	CC-8	Metamorphic Petrology	9	6	54	2023	9.00	8.62	Q
		CC-9	Principles of Stratigraphy and Precambrian Stratigraphy of India	9	6	54	2023			
		CC-10	Phanerozoic Stratigraphy of India	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	7	6	42	2023			
	GEOLOGY	SEC-2	Geological Mapping and Structural Geology Field	10	2	20	2023			
V	GEOLOGY	CC-11	Hydrogeology	10	6	60	2023	9.50	9.50	Q
		CC-12	Economic Geology	8	6	48	2023			
	GEOLOGY	DSE-1	Geodynamics	10	6	60	2023			
		DSE-2	Introduction to Geophysics	10	6	60	2023			
VI	GEOLOGY	CC-13	Geomorphology, Remote Sensing & GIS	9	6	54	2024	9.25	9.25	Q
		CC-14	Engineering Geology	9	6	54	2024			
	GEOLOGY	DSE-3	Fuel Geology	9	6	54	2024			
		DSE-4	Evolution of Life Through Time	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : <b>9.28</b>							<b>Letter Grade in CGPA : O</b>	<b>Result : Q</b>		
CGPA (Cumulative Grade Point Average) on the basis of All Courses : <b>9.08</b>										

Date of Publication of Result : 31.08.2024

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

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

*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	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
	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)