



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

Name: **BIPASHA MUKHERJEE**Roll No. **210341400004**

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	9.27	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	10.00	9.70	Q
		CC-4	Differential Equations and Vector Calculus	10	6	60	2022			
	COMPUTER SCIENCE	GE-2	Database Management Systems	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	6	6	36	2022	7.33	7.92	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	10	2	20	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	5	6	30	2023	6.00	6.54	Q
		CC-9	Multivariate Calculus	7	6	42	2023			
		CC-10	Ring Theory and Linear Algebra I	6	6	36	2023			
	COMPUTER SCIENCE	GE-4	Computer System Architecture	7	6	42	2023			
	MATHEMATICS	SEC-2	Graph Theory	10	2	20	2023			
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	7	6	42	2023	6.75	6.75	Q
		CC-12	Mechanics I	5	6	30	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	7.25	7.25	Q
		CC-14	Ring Theory and Linear Algebra II	7	6	42	2024			
	MATHEMATICS	DSE-3	Group Theory II	5	6	30	2024			
		DSE-4	Project Work	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 7.56							Letter Grade in CGPA : A		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.82										


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				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: DEBOJYOTI MUKHERJEE

Roll No. 210341400006

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	10	6	60	2021	9.50	9.45	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	10	4	40	2021			
II	PHYSICS	CC-3	Electricity and Magnetism	9	6	54	2022	8.50	9.10	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	6	6	36	2022	6.33	6.69	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	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	5	6	30	2023	SNC		
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	7	6	42	2023	6.00	6.00	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	6	6	36	2023			
		DSE-2	Classical Dynamics	4	6	24	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	6	6	36	2024	6.75	6.75	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	7	6	42	2024			
		DSE-4	Astronomy and Astrophysics	7	6	42	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 Jyoti Pal

Controller of Examinations

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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: IMA MONDAL

Roll No. 210341400009

Honours: COMPUTER SCIENCE

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2021	9.00	8.82	Q
		CC-2	Computer System Architecture	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2021			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2022	9.00	9.40	Q
		CC-4	Discrete Structure	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2022	7.33	7.15	Q
		CC-6	Operating Systems	8	6	48	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2023			SNC
		CC-9	Software Engineering	6	6	36	2023			
		CC-10	Database Management System	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2023				
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2023	7.50	7.50	Q
		CC-12	Theory of Computation	7	6	42	2023			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2023			
		DSE-2	System Programming	8	6	48	2023			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2024	8.50	8.50	Q
		CC-14	Computer Graphics	7	6	42	2024			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2024			
		DSE-4	Project Work / Dissertation	10	6	60	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

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Anindya Zohi Pal

Controller of Examinations

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GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
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SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

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



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

Name: MEGHNA KUNDU

Roll No. 210341400011

Honours: COMPUTER SCIENCE

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2021	9.50	9.00	Q
		CC-2	Computer System Architecture	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	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2022	9.00	9.40	Q
		CC-4	Discrete Structure	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2022	6.67	6.46	Q
		CC-6	Operating Systems	7	6	42	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	4	6	24	2023			SNC
		CC-9	Software Engineering	7	6	42	2023			
		CC-10	Database Management System	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2023				
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2023	7.50	7.50	Q
		CC-12	Theory of Computation	7	6	42	2023			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2023			
		DSE-2	System Programming	8	6	48	2023			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2024	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2024			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2024			
		DSE-4	Project Work / Dissertation	10	6	60	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


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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
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	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
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	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: **PIJUSH SUTRADHAR**Roll No. **210341400013**

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	10	6	60	2021	10.00	9.55	Q
		CC-2	Mechanics	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	PHYSICS	CC-3	Electricity and Magnetism	10	6	60	2022	10.00	10.00	Q
		CC-4	Waves and Optics	10	6	60	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	7.67	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	8	6	48	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	9	2	18	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	6	6	36	2023			SNC
		CC-9	Elements of Modern Physics	7	6	42	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	9	2	18	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2023	6.75	6.75	Q
		CC-12	Solid State Physics	7	6	42	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	7.00	7.00	Q
		CC-14	Statistical Mechanics	7	6	42	2024			
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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

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Anindya Zohi Pal

Controller of Examinations

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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
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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: RAMKRISHNA DEY

Roll No. 210341400014

Honours: COMPUTER SCIENCE

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	
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II	COMPUTER SCIENCE	CC-3	Programming in Java	10	6	60	2022	10.00	10.00	Q
		CC-4	Discrete Structure	10	6	60	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2022	7.00	6.77	Q
		CC-6	Operating Systems	7	6	42	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2023			SNC
		CC-9	Software Engineering	9	6	54	2023			
		CC-10	Database Management System	9	6	54	2023			
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Controller of Examinations

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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: SANGRAM MANNA

Roll No. 210341400015

Honours: COMPUTER SCIENCE

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2021	9.00	9.00	Q
		CC-2	Computer System Architecture	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	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2022	9.50	9.70	Q
		CC-4	Discrete Structure	10	6	60	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2022	6.67	6.23	Q
		CC-6	Operating Systems	7	6	42	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	6	6	36	2023			SNC
		CC-9	Software Engineering	7	6	42	2023			
		CC-10	Database Management System	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2023				
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2023	7.00	7.00	Q
		CC-12	Theory of Computation	5	6	30	2023			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2023			
		DSE-2	System Programming	8	6	48	2023			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2024	8.50	8.50	Q
		CC-14	Computer Graphics	7	6	42	2024			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2024			
		DSE-4	Project Work / Dissertation	10	6	60	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				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: SANJIT GHOSH

Roll No. 210341400016

Honours: COMPUTER SCIENCE

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	8	6	48	2021	8.00	8.18	Q
		CC-2	Computer System Architecture	8	6	48	2021			
	PHYSICS	GE-1	Mechanics	8	6	48	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2022	8.50	8.80	Q
		CC-4	Discrete Structure	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	6	6	36	2022	6.67	6.46	Q
		CC-6	Operating Systems	7	6	42	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	5	6	30	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	5	6	30	2023			SNC
		CC-9	Software Engineering	6	6	36	2023			
		CC-10	Database Management System	6	6	36	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2023				
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2023	7.25	7.25	Q
		CC-12	Theory of Computation	7	6	42	2023			
	COMPUTER SCIENCE	DSE-1	Microprocessors	8	6	48	2023			
		DSE-2	System Programming	8	6	48	2023			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2024	8.25	8.25	Q
		CC-14	Computer Graphics	8	6	48	2024			
	COMPUTER SCIENCE	DSE-3	Soft Computing	7	6	42	2024			
		DSE-4	Project Work / Dissertation	10	6	60	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				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: SAYARI MANNA

Roll No. 210341400017

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	8.50	8.73	Q
		CC-2	Physical Chemistry-I	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	CHEMISTRY	CC-3	Inorganic Chemistry-I	9	6	54	2022	8.50	9.10	Q
		CC-4	Organic Chemistry-II	8	6	48	2022			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	CHEMISTRY	CC-5	Physical Chemistry-II	7	6	42	2022	6.67	6.69	Q
		CC-6	Inorganic Chemistry-II	8	6	48	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2022			
	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2022			
IV	CHEMISTRY	CC-8	Physical Chemistry-III	6	6	36	2023			SNC
		CC-9	Inorganic Chemistry-III	6	6	36	2023			
		CC-10	Organic Chemistry - IV	7	6	42	2023			
	MATHEMATICS	GE-4	Algebra	NA	6	NA				
CHEMISTRY	SEC-2	Pharmaceutical Chemistry	7	2	14	2023				
V	CHEMISTRY	CC-11	Inorganic Chemistry-IV	6	6	36	2023	6.00	6.00	Q
		CC-12	Organic Chemistry-V	5	6	30	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	7	6	42	2024	7.50	7.50	Q
		CC-14	Physical Chemistry-IV	5	6	30	2024			
	CHEMISTRY	DSE-3	Polymer Chemistry	9	6	54	2024			
		DSE-4	Dissertation Followed by Power Point Presentation	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
	CGPA	Letter Grade	CGPA	Letter Grade	
CC – Core Course					Q – Qualified
GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
DSE – Discipline Specific Elective	8 to below 9	A+ (Excellent)	4 to below 5	P (Pass)	PNC – Programme Not Cleared [CGPA on the basis of CCs and DSEs <5 or any one or more semester(s) is/are not cleared]
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "NotComputed" due to absence in C1, C2 and C4 as applicable.

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



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

Name: SHIBNATH KAIBARTYA

Roll No. 210341400018

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	9.82	Q
		CC-2	Algebra	10	6	60	2021			
	PHYSICS	GE-1	Mechanics	10	6	60	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021			
II	MATHEMATICS	CC-3	Real Analysis	10	6	60	2022	10.00	9.70	Q
		CC-4	Differential Equations and Vector Calculus	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	Bengali	10	2	20	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	7	6	42	2022	8.67	8.85	Q
		CC-6	Group Theory I	9	6	54	2022			
		CC-7	Numerical Methods	10	6	60	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	9	6	54	2022			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	10	6	60	2023	9.33	9.08	Q
		CC-9	Multivariate Calculus	9	6	54	2023			
		CC-10	Ring Theory and Linear Algebra I	9	6	54	2023			
	CHEMISTRY	GE-4	Solution Phase Equilibria, Conductance, Electrochemistry, Analytical & Environmental Chemistry	8	6	48	2023			
MATHEMATICS	SEC-2	Graph Theory	10	2	20	2023				
V	MATHEMATICS	CC-11	Partial Differential Equations and Applications	10	6	60	2023	8.50	8.50	Q
		CC-12	Mechanics I	6	6	36	2023			
	MATHEMATICS	DSE-1	Linear Programming	8	6	48	2023			
		DSE-2	Probability & Statistics	10	6	60	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	8	6	48	2024			
	MATHEMATICS	DSE-3	Group Theory II	7	6	42	2024			
		DSE-4	Project Work	10	6	60	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.94							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 9.00										


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				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: **SIBNATH GHOSH**Roll No. **210341400020**

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	7.00	7.64	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	9.50	9.10	Q
		CC-4	Differential Equations and Vector Calculus	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	Bengali	10	2	20	2022			
III	MATHEMATICS	CC-5	Theory of Real Functions & Introduction to Metric Spaces	4	6	24	2023	5.00	5.38	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	5	6	30	2022			
	MATHEMATICS	SEC-1	Logic and Sets	10	2	20	2022			
IV	MATHEMATICS	CC-8	Riemann Integration and Series of Functions	NA	6	NA				SNC
		CC-9	Multivariate Calculus	4	6	24	2023			
		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	9	2	18	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	5	6	30	2023			
		DSE-2	Probability & Statistics	5	6	30	2023			
VI	MATHEMATICS	CC-13	Metric Spaces and Complex Analysis	6	6	36	2024	6.25	6.25	Q
		CC-14	Ring Theory and Linear Algebra II	5	6	30	2024			
	MATHEMATICS	DSE-3	Group Theory II	5	6	30	2024			
		DSE-4	Project Work	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 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: **SOMASHREE PAL**Roll No. **210341400022**Honours: **COMPUTER SCIENCE**

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2021	9.00	8.73	Q
		CC-2	Computer System Architecture	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	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2022	9.00	9.10	Q
		CC-4	Discrete Structure	9	6	54	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2022	7.33	7.23	Q
		CC-6	Operating Systems	8	6	48	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2022			
COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2022				
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2023	8.00	7.23	Q
		CC-9	Software Engineering	9	6	54	2023			
		CC-10	Database Management System	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	4	6	24	2023			
COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2023				
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2023	8.25	8.25	Q
		CC-12	Theory of Computation	8	6	48	2023			
	COMPUTER SCIENCE	DSE-1	Microprocessors	9	6	54	2023			
		DSE-2	System Programming	9	6	54	2023			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2024	8.50	8.50	Q
		CC-14	Computer Graphics	9	6	54	2024			
		DSE-3	Soft Computing	7	6	42	2024			
	COMPUTER SCIENCE	DSE-4	Project Work / Dissertation	9	6	54	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.28							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.11										

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.
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: SOUMEN GHOSH

Roll No. 210341400023

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	10	6	60	2021	9.50	9.27	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	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	8.00	8.00	Q
		CC-6	Thermal Physics	8	6	48	2022			
		CC-7	Digital Systems and Applications	8	6	48	2022			
	CHEMISTRY	GE-3	Chemical Energetic, Equilibria, Organic Chemistry	8	6	48	2022			
	PHYSICS	SEC-1	Renewable Energy and Energy Harvesting	8	2	16	2022			
IV	PHYSICS	CC-8	Mathematical Physics-III	9	6	54	2023	8.33	7.46	Q
		CC-9	Elements of Modern Physics	8	6	48	2023			
		CC-10	Analog Systems & Applications	8	6	48	2023			
	MATHEMATICS	GE-4	Algebra	4	6	24	2023			
	PHYSICS	SEC-2	Electrical Circuits and Network Skills	10	2	20	2023			
V	PHYSICS	CC-11	Quantum Mechanics and Applications	8	6	48	2023	7.00	7.00	Q
		CC-12	Solid State Physics	7	6	42	2023			
	PHYSICS	DSE-1	Advanced Mathematical Physics	7	6	42	2023			
		DSE-2	Classical Dynamics	6	6	36	2023			
VI	PHYSICS	CC-13	Electromagnetic Theory	8	6	48	2024	8.00	8.00	Q
		CC-14	Statistical Mechanics	9	6	54	2024			
	PHYSICS	DSE-3	Nuclear and Particle Physics	9	6	54	2024			
		DSE-4	Astronomy and Astrophysics	6	6	36	2024			
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.11							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.13										


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: TAMASA NANDI

Roll No. 210341400026

Honours: COMPUTER SCIENCE

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	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2021	9.00	9.18	Q
		CC-2	Computer System Architecture	9	6	54	2021			
	PHYSICS	GE-1	Mechanics	9	6	54	2021			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2021			
II	COMPUTER SCIENCE	CC-3	Programming in Java	10	6	60	2022	10.00	9.70	Q
		CC-4	Discrete Structure	10	6	60	2022			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2022			
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022			
III	COMPUTER SCIENCE	CC-5	Data Structure	7	6	42	2022	7.00	7.00	Q
		CC-6	Operating Systems	7	6	42	2022			
		CC-7	Computer Networks	7	6	42	2022			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2022			
IV	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2022	6.33	6.08	Q
		CC-8	Design and Analysis of Algorithms	5	6	30	2023			
		CC-9	Software Engineering	7	6	42	2023			
	CC-10	Database Management System	7	6	42	2023				
V	COMPUTER SCIENCE	GE-4	Algebra	4	6	24	2023	8.00	8.00	Q
		COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20			
	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2023			
		CC-12	Theory of Computation	6	6	36	2023			
VI	COMPUTER SCIENCE	DSE-1	Microprocessors	10	6	60	2023	8.50	8.50	Q
		DSE-2	System Programming	9	6	54	2023			
	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2024			
		CC-14	Computer Graphics	8	6	48	2024			
COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2024	8.50	8.50	Q	
	DSE-4	Project Work / Dissertation	10	6	60	2024				
CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.00							Letter Grade in CGPA : A+		Result : Q	
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 7.97										

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: PRITAM PRAMANIK

Roll No. 210341400027

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	4	6	24	2021	5.00	6.27	Q				
		CC-2	Physical Chemistry-I	6	6	36	2021							
	PHYSICS	GE-1	Mechanics	7	6	42	2021							
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2021							
II	CHEMISTRY	CC-3	Inorganic Chemistry-I	6	6	36	2022	6.00	7.60	Q				
		CC-4	Organic Chemistry-II	6	6	36	2022							
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2022							
	Communicative English/MIL	AECC-2	Bengali	10	2	20	2022							
III	CHEMISTRY	CC-5	Physical Chemistry-II	6	6	36	2022	6.33	6.46	Q				
		CC-6	Inorganic Chemistry-II	8	6	48	2022							
	CC-7	Organic Chemistry-III	5	6	30	2022								
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2022							
IV	CHEMISTRY	SEC-1	Basic Analytical Chemistry	9	2	18	2022	6.25	6.25	Q				
		CC-8	Physical Chemistry-III	5	6	30	2023							
		CC-9	Inorganic Chemistry-III	6	6	36	2023							
	MATHEMATICS	GE-4	Algebra	NA	6	NA	2023							
V	CHEMISTRY	CC-10	Organic Chemistry - IV	7	6	42	2023	6.25	6.25	Q				
		CC-11	Inorganic Chemistry-IV	6	6	36	2023							
	CHEMISTRY	CC-12	Organic Chemistry-V	5	6	30	2023							
		DSE-1	Advanced Physical Chemistry	6	6	36	2023							
VI	CHEMISTRY	DSE-2	Analytical Methods in Chemistry	8	6	48	2023	7.50	7.50	Q				
		CC-13	Inorganic Chemistry-V	7	6	42	2024							
	CHEMISTRY	CC-14	Physical Chemistry-IV	5	6	30	2024							
		DSE-3	Polymer Chemistry	9	6	54	2024							
							DSE-4	Dissertation Followed by Power Point Presentation	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


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

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

Anindya Zohi Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
	CGPA	Letter Grade	CGPA	Letter Grade	
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GE – Generic Elective	9 and above	O (Outstanding)	5 to below 6	B (Average)	SNC – Semester Not Cleared
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	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
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	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)	