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

Name: ASHIRWAD DUTTA   **Roll No. 200313500001**

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 CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	10	6	60	2020	9.50	9.27	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	10	6	60	2021	10.00	10.00	Q
		CC-4	Discrete Structure	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	10	6	60	2021	9.33	9.31	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	9	6	54	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2022	9.67	9.54	Q
		CC-9	Software Engineering	10	6	60	2022			
		CC-10	Database Management System	10	6	60	2022			
	STATISTICS	GE-4	Applied Statistics	9	6	54	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	10	2	20	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	9	6	54	2022	8.25	8.25	Q
		CC-12	Theory of Computation	6	6	36	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	8	6	48	2022			
		DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2023	8.75	8.75	Q
		CC-14	Computer Graphics	8	6	48	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2023			
		DSE-4	Project Work / Dissertation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **9.11**	**Letter Grade in CGPA : O**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **9.17**		

Date of Publication of Result : 25.08.2023

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n} (G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N} (V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

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				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA×10) - 5.0
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 2023 UNDER CBCS
GRADE CARD

Name: BISWADEEP MUKHOPADHYAY   **Roll No. 200313500002**

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 CCs & DSEs**	**SGPA on the basis of All Courses**	**Result Code**
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	10	6	60	2020	9.50	9.45	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	10	4	40	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	10	6	60	2021	10.00	10.00	Q
		CC-4	Discrete Structure	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	10	6	60	2021	10.00	9.77	Q
		CC-6	Operating Systems	10	6	60	2021			
		CC-7	Computer Networks	10	6	60	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	9	6	54	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	10	6	60	2022	10.00	10.00	Q
		CC-9	Software Engineering	10	6	60	2022			
		CC-10	Database Management System	10	6	60	2022			
	STATISTICS	GE-4	Applied Statistics	10	6	60	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	10	2	20	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	10	6	60	2022	8.75	8.75	Q
		CC-12	Theory of Computation	7	6	42	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	8	6	48	2022			
		DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2023	9.50	9.50	Q
		CC-14	Computer Graphics	10	6	60	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	9	6	54	2023			
		DSE-4	Project Work / Dissertation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **9.56**	**Letter Grade in CGPA : O**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **9.58**		

Date of Publication of Result : 25.08.2023

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

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			
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

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

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

Name: DIVAKAR DEV   **Roll No. 200313500003**

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 CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2020	9.00	8.82	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2021	9.00	9.10	Q
		CC-4	Discrete Structure	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	10	2	20	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.77	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2022	9.00	9.00	Q
		CC-9	Software Engineering	9	6	54	2022			
		CC-10	Database Management System	9	6	54	2022			
	STATISTICS	GE-4	Applied Statistics	9	6	54	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2022	7.50	7.50	Q
		CC-12	Theory of Computation	6	6	36	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	6	6	36	2022			
		DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2023	7.25	7.25	Q
		CC-14	Computer Graphics	8	6	48	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	6	6	36	2023			
		DSE-4	Data Mining	7	6	42	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.28**	**Letter Grade in CGPA : A+**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.39**	**Result : Q**

Date of Publication of Result : 25.08.2023

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

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				Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9	= (SGPA or CGPA×10) - 5.0
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 2023 UNDER CBCS
GRADE CARD

Name: FERDOSI KHATUN **Roll No. 200313500004**

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 CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2020	9.00	8.45	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	7	6	42	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	10	6	60	2021	10.00	9.60	Q
	COMPUTER SCIENCE	CC-4	Discrete Structure	10	6	60	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.77	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	9	6	54	2021			
	COMPUTER SCIENCE	CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	8	6	48	2022	8.00	7.77	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	8	6	48	2022			
	COMPUTER SCIENCE	CC-10	Database Management System	8	6	48	2022			
	STATISTICS	GE-4	Applied Statistics	7	6	42	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	8	2	16	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2022	7.25	7.25	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	6	6	36	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	7	6	42	2022			
	COMPUTER SCIENCE	DSE-2	System Programming	9	6	54	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	7	6	42	2023	7.50	7.50	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	9	6	54	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	7	6	42	2023			
	COMPUTER SCIENCE	DSE-4	Data Mining	7	6	42	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.22**	**Letter Grade in CGPA : A+**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.18**		

Date of Publication of Result : 25.08.2023

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

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			
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

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

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

Name: PRAMESH AMBA

Roll No. 200313500005

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	2020	9.00	9.00	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2021	9.00	9.00	Q
		CC-4	Discrete Structure	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.85	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2022	9.00	8.77	Q
		CC-9	Software Engineering	9	6	54	2022			
		CC-10	Database Management System	9	6	54	2022			
	STATISTICS	GE-4	Applied Statistics	8	6	48	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2022	7.25	7.25	Q
		CC-12	Theory of Computation	6	6	36	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	7	6	42	2022			
		DSE-2	System Programming	9	6	54	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2023	8.25	8.25	Q
		CC-14	Computer Graphics	10	6	60	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2023			
		DSE-4	Data Mining	7	6	42	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.44**	**Letter Grade in CGPA : A+**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.51**		

Date of Publication of Result : 25.08.2023

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

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				
90% to 100%	10	80% and above but below 90%	9	
70% and above but below 80%	8	60% and above but below 70%	7	
50% and above but below 60%	6	40% and above but below 50%	5	
35% and above but below 40%	4	Below 35%	Not Awarded (NA)	

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

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

Name: SAHIL GHOSH   **Roll No. 200313500006**

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 CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2020	9.00	8.82	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	9	6	54	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2021	9.00	9.00	Q
		CC-4	Discrete Structure	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.85	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2022	9.33	9.31	Q
		CC-9	Software Engineering	10	6	60	2022			
		CC-10	Database Management System	9	6	54	2022			
	STATISTICS	GE-4	Applied Statistics	9	6	54	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	10	2	20	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2022	7.75	7.75	Q
		CC-12	Theory of Computation	5	6	30	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	8	6	48	2022			
		DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2023	8.50	8.50	Q
		CC-14	Computer Graphics	9	6	54	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2023			
		DSE-4	Data Mining	8	6	48	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.67**	**Letter Grade in CGPA : A+**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.70**	**Result : Q**

Date of Publication of Result : 25.08.2023

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

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					Percentage Conversion Formula:
90% to 100%	10	80% and above but below 90%	9		= (SGPA or CGPA×10) - 5.0
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 2023 UNDER CBCS
GRADE CARD

Name: SATTWIK DUTTA   **Roll No. 200313500007**

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 CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2020	9.00	9.09	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2021	9.00	9.00	Q
		CC-4	Discrete Structure	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.77	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2022	9.00	9.00	Q
		CC-9	Software Engineering	9	6	54	2022			
		CC-10	Database Management System	9	6	54	2022			
	STATISTICS	GE-4	Applied Statistics	9	6	54	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	8	6	48	2022	8.00	8.00	Q
		CC-12	Theory of Computation	7	6	42	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	8	6	48	2022			
		DSE-2	System Programming	9	6	54	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2023	8.50	8.50	Q
		CC-14	Computer Graphics	9	6	54	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2023			
		DSE-4	Data Mining	8	6	48	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.67**	**Letter Grade in CGPA : A+**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.72**		

Date of Publication of Result : 25.08.2023

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

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					
90% to 100%	10	80% and above but below 90%	9		
70% and above but below 80%	8	60% and above but below 70%	7		
50% and above but below 60%	6	40% and above but below 50%	5		
35% and above but below 40%	4	Below 35%	Not Awarded (NA)		

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

THE UNIVERSITY OF BURDWAN
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GRADE CARD

Name: SHAIKH MOMINUL **Roll No. 200313500008**

Semester No.	Subject	Course Code	Course Title	Grade (G)	Credit Value (V)	Grade Point (G×V)	Credit Retained Year	SGPA on the basis of CCs & DSEs	SGPA on the basis of All Courses	Result Code
I	COMPUTER SCIENCE	CC-1	Programming Fundamentals using C/C++	9	6	54	2020	9.00	8.55	Q
		CC-2	Computer System Architecture	9	6	54	2020			
	MATHEMATICS	GE-1	Differential Calculus	8	6	48	2020			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	8	4	32	2020			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2021	9.00	9.00	Q
		CC-4	Discrete Structure	9	6	54	2021			
	MATHEMATICS	GE-2	Differential Equations	9	6	54	2021			
	Communicative English/MIL	AECC-2	Communicative English	9	2	18	2021			
III	COMPUTER SCIENCE	CC-5	Data Structure	9	6	54	2021	9.00	8.85	Q
		CC-6	Operating Systems	9	6	54	2021			
		CC-7	Computer Networks	9	6	54	2021			
	STATISTICS	GE-3	Basics of Statistical Inference	8	6	48	2021			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	8	6	48	2022	8.67	8.54	Q
		CC-9	Software Engineering	9	6	54	2022			
		CC-10	Database Management System	9	6	54	2022			
	STATISTICS	GE-4	Applied Statistics	8	6	48	2022			
	COMPUTER SCIENCE	SEC-2	PHP Programming	9	2	18	2022			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2022	7.25	7.25	Q
		CC-12	Theory of Computation	5	6	30	2022			
	COMPUTER SCIENCE	DSE-1	Digital Image Processing	7	6	42	2022			
		DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	8	6	48	2023	8.50	8.50	Q
		CC-14	Computer Graphics	9	6	54	2023			
	COMPUTER SCIENCE	DSE-3	Soft Computing	8	6	48	2023			
		DSE-4	Data Mining	9	6	54	2023			

Honours: COMPUTER SCIENCE

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.44**	**Letter Grade in CGPA : A+**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.44**	**Result : Q**

Date of Publication of Result : 25.08.2023

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

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			
90% to 100%	10	80% and above but below 90%	9
70% and above but below 80%	8	60% and above but below 70%	7
50% and above but below 60%	6	40% and above but below 50%	5
35% and above but below 40%	4	Below 35%	Not Awarded (NA)

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

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B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2023 UNDER CBCS
GRADE CARD

Name: SUBHAM BHATTACHERJEE   **Roll No. 200313500010**

Semester No.	Subject		Course Code	Course Title	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++	10	6	60	2020	10.00	9.82	Q
			CC-2	Computer System Architecture	10	6	60	2020			
	MATHEMATICS		GE-1	Differential Calculus	10	6	60	2020			
	ENVIRONMENTAL STUDIES		AECC-1	Fundamentals of Environmental Studies	9	4	36	2020			
II	COMPUTER SCIENCE		CC-3	Programming in Java	10	6	60	2021	10.00	10.00	Q
			CC-4	Discrete Structure	10	6	60	2021			
	MATHEMATICS		GE-2	Differential Equations	10	6	60	2021			
	Communicative English/MIL		AECC-2	Communicative English	10	2	20	2021			
III	COMPUTER SCIENCE		CC-5	Data Structure	10	6	60	2021	10.00	9.77	Q
			CC-6	Operating Systems	10	6	60	2021			
			CC-7	Computer Networks	10	6	60	2021			
	STATISTICS		GE-3	Basics of Statistical Inference	9	6	54	2021			
	COMPUTER SCIENCE		SEC-1	Programming in Python	10	2	20	2021			
IV	COMPUTER SCIENCE		CC-8	Design and Analysis of Algorithms	10	6	60	2022	10.00	10.00	Q
			CC-9	Software Engineering	10	6	60	2022			
			CC-10	Database Management System	10	6	60	2022			
	STATISTICS		GE-4	Applied Statistics	10	6	60	2022			
	COMPUTER SCIENCE		SEC-2	PHP Programming	10	2	20	2022			
V	COMPUTER SCIENCE		CC-11	Internet Technologies	9	6	54	2022	8.75	8.75	Q
			CC-12	Theory of Computation	7	6	42	2022			
	COMPUTER SCIENCE		DSE-1	Digital Image Processing	9	6	54	2022			
			DSE-2	System Programming	10	6	60	2022			
VI	COMPUTER SCIENCE		CC-13	Artificial Intelligence	9	6	54	2023	9.50	9.50	Q
			CC-14	Computer Graphics	10	6	60	2023			
	COMPUTER SCIENCE		DSE-3	Soft Computing	9	6	54	2023			
			DSE-4	Project Work / Dissertation	10	6	60	2023			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **9.61**	**Letter Grade in CGPA : O**	**Result : Q**
CGPA (Cumulative Grade Point Average) on the basis of All Courses : **9.63**		

Date of Publication of Result : 25.08.2023

$$\text{SGPA (S)} = \frac{\sum\limits_{i=1}^{n}(G_i \times V_i)}{\sum\limits_{i=1}^{n} V_i} \qquad \text{CGPA} = \frac{\sum\limits_{i=1}^{N}(V_i \times S_i)}{\sum\limits_{i=1}^{N} V_i}$$

Anindya Jyoti Pal

Controller of Examinations

Course Type	CGPA Letter Grades				Result Codes
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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	= (SGPA or CGPA×10) - 5.0
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)	