THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SAYANTAN GHOSH　　　　**Honours: COMPUTER SCIENCE**　　　**Roll No. 170341500010**

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++	5	6	30	2017	6.00	5.55	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	7	6	42	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	5	6	30	2018			SNC
	COMPUTER SCIENCE	CC-4	Discrete Structure	6	6	36	2018			
	MATHEMATICS	GE-2	Differential Equations	NA	6	NA				
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	5.00	5.08	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	5	6	30	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	6	6	36	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	6.67	6.23	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	7	6	42	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	6	6	36	2019	6.25	6.25	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	5	6	30	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
	COMPUTER SCIENCE	DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.50	9.50	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Project Work / Dissertation	9	6	54	2020			

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 : 29.10.2020

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

Anindya Jyoti Pal
Controller of Examinations

Course Types :	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					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 All semesters 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:

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

THE UNIVERSITY OF BURDWAN
B.Sc. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2020 UNDER CBCS
GRADE CARD

Name: SK NUR HASAN **Honours: COMPUTER SCIENCE** **Roll No. 170341500011**

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++	4	6	24	2017	4.50	4.91	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	5	6	30	2017			
	PHYSICS	GE-1	Mechanics	5	6	30	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	6	4	24	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	4	6	24	2018			SNC
	COMPUTER SCIENCE	CC-4	Discrete Structure	4	6	24	2018			
	MATHEMATICS	GE-2	Differential Equations	NA	6	NA				
	Communicative English/MIL	AECC-2	Bengali	7	2	14	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	4	6	24	2018	5.33	5.31	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	5	6	30	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	7	6	42	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	4	6	24	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	9	2	18	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	7	6	42	2019	7.00	6.46	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	8	6	48	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	6	6	36	2019			
	MATHEMATICS	GE-4	Algebra	4	6	24	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	9	2	18	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	7	6	42	2019	6.25	6.25	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	4	6	24	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	7	6	42	2019			
	COMPUTER SCIENCE	DSE-2	System Programming	7	6	42	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	9	6	54	2020	9.25	9.25	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	9	6	54	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Project Work / Dissertation	9	6	54	2020			

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 : 29.10.2020

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

Anindya Jyoti Pal
Controller of Examinations

Course Types :	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 All semesters 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:

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 2020 UNDER CBCS
GRADE CARD

Name: SUDIPTA BANERJEE   **Honours: COMPUTER SCIENCE**   **Roll No. 170341500015**

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++	6	6	36	2017	7.50	6.64	Q
	COMPUTER SCIENCE	CC-2	Computer System Architecture	9	6	54	2017			
	PHYSICS	GE-1	Mechanics	6	6	36	2017			
	ENVIRONMENTAL STUDIES	AECC-1	Fundamentals of Environmental Studies	5	4	20	2017			
II	COMPUTER SCIENCE	CC-3	Programming in Java	9	6	54	2018	9.00	7.50	Q
	COMPUTER SCIENCE	CC-4	Discrete Structure	9	6	54	2018			
	MATHEMATICS	GE-2	Differential Equations	4	6	24	2018			
	Communicative English/MIL	AECC-2	Bengali	9	2	18	2018			
III	COMPUTER SCIENCE	CC-5	Data Structure	8	6	48	2018	8.00	7.69	Q
	COMPUTER SCIENCE	CC-6	Operating Systems	8	6	48	2018			
	COMPUTER SCIENCE	CC-7	Computer Networks	8	6	48	2018			
	PHYSICS	GE-3	Thermal Physics and Statistical Mechanics	6	6	36	2018			
	COMPUTER SCIENCE	SEC-1	Programming in Python	10	2	20	2018			
IV	COMPUTER SCIENCE	CC-8	Design and Analysis of Algorithms	9	6	54	2019	8.33	8.15	Q
	COMPUTER SCIENCE	CC-9	Software Engineering	9	6	54	2019			
	COMPUTER SCIENCE	CC-10	Database Management System	7	6	42	2019			
	MATHEMATICS	GE-4	Algebra	7	6	42	2019			
	COMPUTER SCIENCE	SEC-2	UNIX / Linux Programming	10	2	20	2019			
V	COMPUTER SCIENCE	CC-11	Internet Technologies	10	6	60	2019	9.50	9.50	Q
	COMPUTER SCIENCE	CC-12	Theory of Computation	9	6	54	2019			
	COMPUTER SCIENCE	DSE-1	Microprocessors	10	6	60	2019			
	COMPUTER SCIENCE	DSE-2	System Programming	9	6	54	2019			
VI	COMPUTER SCIENCE	CC-13	Artificial Intelligence	10	6	60	2020	10.00	10.00	Q
	COMPUTER SCIENCE	CC-14	Computer Graphics	10	6	60	2020			
	COMPUTER SCIENCE	DSE-3	Soft Computing	10	6	60	2020			
	COMPUTER SCIENCE	DSE-4	Project Work / Dissertation	10	6	60	2020			

CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : 8.89	Letter Grade in CGPA : A+	Result : Q
CGPA (Cumulative Grade Point Average) on the basis of All Courses : 8.28		

Date of Publication of Result : 29.10.2020

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

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Controller of Examinations

Course Types :		CGPA Letter Grades			Result Codes:
CC – Core Course	CGPA	Letter Grade	CGPA	Letter Grade	Q - Qualified
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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
SEC – Skill Enhancement Course	7 to below 8	A (Very Good)	Below 4	F (Fail)	the basis of CCs and DSEs.<5 or All semesters not cleared]
AECC – Ability Enhancement Compulsory Course	6 to below 7	B+ (Good)			NC denotes "Not Computed" due to absence in C1, C2 and C4 as applicable.

Grade Point Norms:

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