# THE UNIVERSITY OF BURDWAN
## B.SC. 3-YEAR DEGREE HONOURS FINAL EXAMINATION 2025 UNDER CBCS
## GRADE CARD

**Name: RAKHI DEY**             **Roll No. 220341400005**

| 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++ | 6 | 6 | 36 | 2022 | 6.50 | 7.36 | Q |
| | | CC-2 | Computer System Architecture | 7 | 6 | 42 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 8 | 6 | 48 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | COMPUTER SCIENCE | CC-3 | Programming in Java | 10 | 6 | 60 | 2023 | 9.00 | 7.90 | Q |
| | | CC-4 | Discrete Structure | 8 | 6 | 48 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 5 | 6 | 30 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 10 | 2 | 20 | 2023 | | | |
| III | COMPUTER SCIENCE | CC-5 | Data Structure | 10 | 6 | 60 | 2023 | 9.33 | 9.31 | Q |
| | | CC-6 | Operating Systems | 9 | 6 | 54 | 2023 | | | |
| | | CC-7 | Computer Networks | 9 | 6 | 54 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 9 | 6 | 54 | 2023 | | | |
| | COMPUTER SCIENCE | SEC-1 | Programming in Python | 10 | 2 | 20 | 2023 | | | |
| IV | COMPUTER SCIENCE | CC-8 | Design and Analysis of Algorithms | 9 | 6 | 54 | 2024 | 9.33 | 9.08 | Q |
| | | CC-9 | Software Engineering | 9 | 6 | 54 | 2024 | | | |
| | | CC-10 | Database Management System | 10 | 6 | 60 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 8 | 6 | 48 | 2024 | | | |
| | COMPUTER SCIENCE | SEC-2 | UNIX / Linux Programming | 10 | 2 | 20 | 2024 | | | |
| V | COMPUTER SCIENCE | CC-11 | Internet Technologies | 9 | 6 | 54 | 2024 | 8.50 | 8.50 | Q |
| | | CC-12 | Theory of Computation | 7 | 6 | 42 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-1 | Microprocessors | 9 | 6 | 54 | 2024 | | | |
| | | DSE-2 | System Programming | 9 | 6 | 54 | 2024 | | | |
| VI | COMPUTER SCIENCE | CC-13 | Artificial Intelligence | 9 | 6 | 54 | 2025 | 9.50 | 9.50 | Q |
| | | CC-14 | Computer Graphics | 9 | 6 | 54 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-3 | Soft Computing | 10 | 6 | 60 | 2025 | | | |
| | | DSE-4 | Project Work / Dissertation | 10 | 6 | 60 | 2025 | | | |

| CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.83** | Letter Grade in CGPA : A+ | Result : Q |
|---|---|---|
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.66** | | |

Date of Publication of Result : 25.08.2025

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

*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 2025 UNDER CBCS
### GRADE CARD

**Name: RIJU NANDI**      **Roll No. 220341400006**

**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 CCs & DSEs | SGPA on the basis of All Courses | Result Code |
|---|---|---|---|---|---|---|---|---|---|---|
| I | CHEMISTRY | CC-1 | Organic Chemistry-I | 5 | 6 | 30 | 2022 | 5.00 | 6.27 | Q |
| | | CC-2 | Physical Chemistry-I | 5 | 6 | 30 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 7 | 6 | 42 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | CHEMISTRY | CC-3 | Inorganic Chemistry-I | 9 | 6 | 54 | 2024 | 7.50 | 6.70 | Q |
| | | CC-4 | Organic Chemistry-II | 6 | 6 | 36 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 4 | 6 | 24 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 10 | 2 | 20 | 2023 | | | |
| III | CHEMISTRY | CC-5 | Physical Chemistry-II | 6 | 6 | 36 | 2023 | 6.33 | 7.15 | Q |
| | | CC-6 | Inorganic Chemistry-II | 7 | 6 | 42 | 2023 | | | |
| | | CC-7 | Organic Chemistry-III | 6 | 6 | 36 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 9 | 6 | 54 | 2023 | | | |
| | CHEMISTRY | SEC-1 | IT Skill in Chemistry | 9 | 2 | 18 | 2023 | | | |
| IV | CHEMISTRY | CC-8 | Physical Chemistry-III | 8 | 6 | 48 | 2024 | 7.33 | 7.38 | Q |
| | | CC-9 | Inorganic Chemistry-III | 8 | 6 | 48 | 2024 | | | |
| | | CC-10 | Organic Chemistry - IV | 6 | 6 | 36 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 7 | 6 | 42 | 2024 | | | |
| | CHEMISTRY | SEC-2 | Pharmaceutical Chemistry | 9 | 2 | 18 | 2024 | | | |
| V | CHEMISTRY | CC-11 | Inorganic Chemistry-IV | 7 | 6 | 42 | 2024 | 6.50 | 6.50 | Q |
| | | CC-12 | Organic Chemistry-V | 5 | 6 | 30 | 2024 | | | |
| | CHEMISTRY | DSE-1 | Advanced Physical Chemistry | 6 | 6 | 36 | 2024 | | | |
| | | DSE-2 | Analytical Methods in Chemistry | 8 | 6 | 48 | 2024 | | | |
| VI | CHEMISTRY | CC-13 | Inorganic Chemistry-V | 8 | 6 | 48 | 2025 | 8.50 | 8.50 | Q |
| | | CC-14 | Physical Chemistry-IV | 6 | 6 | 36 | 2025 | | | |
| | CHEMISTRY | DSE-3 | Polymer Chemistry | 10 | 6 | 60 | 2025 | | | |
| | | DSE-4 | Dissertation Followed by Power Point Presentation | 10 | 6 | 60 | 2025 | | | |

| | |
|---|---|
| CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **7.00** | **Letter Grade in CGPA : A** |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : **7.11** | **Result : Q** |

Date of Publication of Result : 25.08.2025

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

*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 | | | | 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 2025 UNDER CBCS
## GRADE CARD

**Name: RITABRATA KUNDU**  **Roll No. 220341400007**

| 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 | 2022 | 6.00 | 6.55 | Q |
| | | CC-2 | Computer System Architecture | 6 | 6 | 36 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 6 | 6 | 36 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | COMPUTER SCIENCE | CC-3 | Programming in Java | 9 | 6 | 54 | 2023 | 7.00 | 6.30 | Q |
| | | CC-4 | Discrete Structure | 5 | 6 | 30 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 4 | 6 | 24 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 9 | 2 | 18 | 2023 | | | |
| III | COMPUTER SCIENCE | CC-5 | Data Structure | 9 | 6 | 54 | 2023 | 7.67 | 7.15 | Q |
| | | CC-6 | Operating Systems | 8 | 6 | 48 | 2023 | | | |
| | | CC-7 | Computer Networks | 6 | 6 | 36 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 5 | 6 | 30 | 2023 | | | |
| | COMPUTER SCIENCE | SEC-1 | Programming in Python | 9 | 2 | 18 | 2023 | | | |
| IV | COMPUTER SCIENCE | CC-8 | Design and Analysis of Algorithms | 7 | 6 | 42 | 2024 | 7.33 | 7.15 | Q |
| | | CC-9 | Software Engineering | 6 | 6 | 36 | 2024 | | | |
| | | CC-10 | Database Management System | 9 | 6 | 54 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 6 | 6 | 36 | 2024 | | | |
| | COMPUTER SCIENCE | SEC-2 | UNIX / Linux Programming | 9 | 2 | 18 | 2024 | | | |
| V | COMPUTER SCIENCE | CC-11 | Internet Technologies | 7 | 6 | 42 | 2024 | 6.50 | 6.50 | Q |
| | | CC-12 | Theory of Computation | 5 | 6 | 30 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-1 | Microprocessors | 7 | 6 | 42 | 2024 | | | |
| | | DSE-2 | System Programming | 7 | 6 | 42 | 2024 | | | |
| VI | COMPUTER SCIENCE | CC-13 | Artificial Intelligence | 8 | 6 | 48 | 2025 | 8.25 | 8.25 | Q |
| | | CC-14 | Computer Graphics | 7 | 6 | 42 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-3 | Soft Computing | 8 | 6 | 48 | 2025 | | | |
| | | DSE-4 | Project Work / Dissertation | 10 | 6 | 60 | 2025 | | | |

**Honours: COMPUTER SCIENCE**

| | |
|---|---|
| CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **7.22** | **Letter Grade in CGPA : A** |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : **7.01** | **Result : Q** |

Date of Publication of Result : 25.08.2025

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

*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 2025 UNDER CBCS
## GRADE CARD

**Name: RIYA KUNDU**                                             **Roll No. 220341400008**

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Honours: COMPUTER SCIENCE** | | | | | | | | | | |
| I | COMPUTER SCIENCE | CC-1 | Programming Fundamentals using C/C++ | 6 | 6 | 36 | 2022 | 7.50 | 7.64 | Q |
| | COMPUTER SCIENCE | CC-2 | Computer System Architecture | 9 | 6 | 54 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 7 | 6 | 42 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | COMPUTER SCIENCE | CC-3 | Programming in Java | 10 | 6 | 60 | 2023 | 9.00 | 7.90 | Q |
| | COMPUTER SCIENCE | CC-4 | Discrete Structure | 8 | 6 | 48 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 5 | 6 | 30 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 10 | 2 | 20 | 2023 | | | |
| III | COMPUTER SCIENCE | CC-5 | Data Structure | 10 | 6 | 60 | 2023 | 9.00 | 8.85 | Q |
| | COMPUTER SCIENCE | CC-6 | Operating Systems | 9 | 6 | 54 | 2023 | | | |
| | COMPUTER SCIENCE | CC-7 | Computer Networks | 8 | 6 | 48 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 8 | 6 | 48 | 2023 | | | |
| | COMPUTER SCIENCE | SEC-1 | Programming in Python | 10 | 2 | 20 | 2023 | | | |
| IV | COMPUTER SCIENCE | CC-8 | Design and Analysis of Algorithms | 9 | 6 | 54 | 2024 | 8.33 | 8.62 | Q |
| | COMPUTER SCIENCE | CC-9 | Software Engineering | 7 | 6 | 42 | 2024 | | | |
| | COMPUTER SCIENCE | CC-10 | Database Management System | 9 | 6 | 54 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 9 | 6 | 54 | 2024 | | | |
| | COMPUTER SCIENCE | SEC-2 | UNIX / Linux Programming | 10 | 2 | 20 | 2024 | | | |
| V | COMPUTER SCIENCE | CC-11 | Internet Technologies | 8 | 6 | 48 | 2024 | 8.00 | 8.00 | Q |
| | COMPUTER SCIENCE | CC-12 | Theory of Computation | 7 | 6 | 42 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-1 | Microprocessors | 8 | 6 | 48 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-2 | System Programming | 9 | 6 | 54 | 2024 | | | |
| VI | COMPUTER SCIENCE | CC-13 | Artificial Intelligence | 9 | 6 | 54 | 2025 | 9.25 | 9.25 | Q |
| | COMPUTER SCIENCE | CC-14 | Computer Graphics | 8 | 6 | 48 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-3 | Soft Computing | 10 | 6 | 60 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-4 | Project Work / Dissertation | 10 | 6 | 60 | 2025 | | | |

| | |
|---|---|
| CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.56** | **Letter Grade in CGPA : A+** |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : **8.41** | **Result : Q** |

Date of Publication of Result : 25.08.2025

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

*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 2025 UNDER CBCS
### GRADE CARD

**Name: SOUMALYA MONDAL**　　　　　　　　　　　　　　　　　　　　**Roll No. 220341400010**

| 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++ | 6 | 6 | 36 | 2022 | 7.00 | 7.36 | Q |
| | | CC-2 | Computer System Architecture | 8 | 6 | 48 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 7 | 6 | 42 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | COMPUTER SCIENCE | CC-3 | Programming in Java | 9 | 6 | 54 | 2023 | 8.50 | 7.20 | Q |
| | | CC-4 | Discrete Structure | 8 | 6 | 48 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 4 | 6 | 24 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 9 | 2 | 18 | 2023 | | | |
| III | COMPUTER SCIENCE | CC-5 | Data Structure | 9 | 6 | 54 | 2023 | 8.67 | 8.15 | Q |
| | | CC-6 | Operating Systems | 9 | 6 | 54 | 2023 | | | |
| | | CC-7 | Computer Networks | 8 | 6 | 48 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 6 | 6 | 36 | 2023 | | | |
| | COMPUTER SCIENCE | SEC-1 | Programming in Python | 10 | 2 | 20 | 2023 | | | |
| IV | COMPUTER SCIENCE | CC-8 | Design and Analysis of Algorithms | 8 | 6 | 48 | 2024 | 8.00 | 8.38 | Q |
| | | CC-9 | Software Engineering | 7 | 6 | 42 | 2024 | | | |
| | | CC-10 | Database Management System | 9 | 6 | 54 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 9 | 6 | 54 | 2024 | | | |
| | COMPUTER SCIENCE | SEC-2 | UNIX / Linux Programming | 10 | 2 | 20 | 2024 | | | |
| V | COMPUTER SCIENCE | CC-11 | Internet Technologies | 7 | 6 | 42 | 2024 | 7.50 | 7.50 | Q |
| | | CC-12 | Theory of Computation | 6 | 6 | 36 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-1 | Microprocessors | 8 | 6 | 48 | 2024 | | | |
| | | DSE-2 | System Programming | 9 | 6 | 54 | 2024 | | | |
| VI | COMPUTER SCIENCE | CC-13 | Artificial Intelligence | 9 | 6 | 54 | 2025 | 9.00 | 9.00 | Q |
| | | CC-14 | Computer Graphics | 8 | 6 | 48 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-3 | Soft Computing | 9 | 6 | 54 | 2025 | | | |
| | | DSE-4 | Project Work / Dissertation | 10 | 6 | 60 | 2025 | | | |

| | |
|---|---|
| CGPA (Cumulative Grade Point Average) on the basis of CCs & DSEs : **8.17** | **Letter Grade in CGPA : A+** |
| CGPA (Cumulative Grade Point Average) on the basis of All Courses : **7.97** | **Result : Q** |

Date of Publication of Result : 25.08.2025

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

*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 2025 UNDER CBCS
## GRADE CARD

**Name: SOURAV SEN**                                   **Roll No. 220341400011**

| 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++ | 6 | 6 | 36 | 2022 | 7.00 | 7.64 | Q |
| | | CC-2 | Computer System Architecture | 8 | 6 | 48 | 2022 | | | |
| | PHYSICS | GE-1 | Mechanics | 8 | 6 | 48 | 2022 | | | |
| | ENVIRONMENTAL STUDIES | AECC-1 | Fundamentals of Environmental Studies | 9 | 4 | 36 | 2022 | | | |
| II | COMPUTER SCIENCE | CC-3 | Programming in Java | 9 | 6 | 54 | 2023 | 8.00 | 7.50 | Q |
| | | CC-4 | Discrete Structure | 7 | 6 | 42 | 2023 | | | |
| | MATHEMATICS | GE-2 | Differential Equations | 6 | 6 | 36 | 2023 | | | |
| | Communicative English/MIL | AECC-2 | Bengali | 9 | 2 | 18 | 2023 | | | |
| III | COMPUTER SCIENCE | CC-5 | Data Structure | 9 | 6 | 54 | 2023 | 8.67 | 8.15 | Q |
| | | CC-6 | Operating Systems | 9 | 6 | 54 | 2023 | | | |
| | | CC-7 | Computer Networks | 8 | 6 | 48 | 2023 | | | |
| | PHYSICS | GE-3 | Thermal Physics and Statistical Mechanics | 6 | 6 | 36 | 2023 | | | |
| | COMPUTER SCIENCE | SEC-1 | Programming in Python | 10 | 2 | 20 | 2023 | | | |
| IV | COMPUTER SCIENCE | CC-8 | Design and Analysis of Algorithms | 7 | 6 | 42 | 2024 | 7.67 | 7.92 | Q |
| | | CC-9 | Software Engineering | 7 | 6 | 42 | 2024 | | | |
| | | CC-10 | Database Management System | 9 | 6 | 54 | 2024 | | | |
| | MATHEMATICS | GE-4 | Algebra | 8 | 6 | 48 | 2024 | | | |
| | COMPUTER SCIENCE | SEC-2 | UNIX / Linux Programming | 10 | 2 | 20 | 2024 | | | |
| V | COMPUTER SCIENCE | CC-11 | Internet Technologies | 7 | 6 | 42 | 2024 | 7.75 | 7.75 | Q |
| | | CC-12 | Theory of Computation | 7 | 6 | 42 | 2024 | | | |
| | COMPUTER SCIENCE | DSE-1 | Microprocessors | 9 | 6 | 54 | 2024 | | | |
| | | DSE-2 | System Programming | 8 | 6 | 48 | 2024 | | | |
| VI | COMPUTER SCIENCE | CC-13 | Artificial Intelligence | 9 | 6 | 54 | 2025 | 9.50 | 9.50 | Q |
| | | CC-14 | Computer Graphics | 9 | 6 | 54 | 2025 | | | |
| | COMPUTER SCIENCE | DSE-3 | Soft Computing | 10 | 6 | 60 | 2025 | | | |
| | | DSE-4 | Project Work / Dissertation | 10 | 6 | 60 | 2025 | | | |

| | | |
|---|---|---|
| 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 : **8.10** | | |

Date of Publication of Result : 25.08.2025

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

*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