

**Department of Mathematics
Sarat Centenary College**

Academic Plan and Activities

Academic Session: 2023-2024

Distribution of syllabus into Modules and Units of B.Sc. General / Minor Course

CBCS / CCFUP

Semester I (CCFUP)

1st Module (July to September)

Minor Course: Calculus, Geometry & Vector Calculus (MATH1021)

Credits: Lecture-3, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 15

Unit 1: Prof. Shampa Dutta

Unit 2: Dr. Pramit Rej

Unit 3: Dr. Bidyut Santra

2nd Module (October to December)

Minor Course: Calculus, Geometry & Vector Calculus (MATH1021)

Credits: Lecture-3, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 15

Unit 1: Prof. Shampa Dutta

Unit 4: Dr. Pramit Rej

Unit 3: Dr. Bidyut Santra

Internal Assessment: 1st Week of December

Theory and Practical Examination: as per notification of B.U. (Tentatively in December)

Semester-III

1st Module (July to September)

Core Course 3 : Real Analysis (BMG3CC1C)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

Unit 1: Dr. Pramit Rej

Unit 3: Dr. Bidyut Santra

SEC-1

Integral Calculus (BMG3SEC13)

Credits: Theory-2, Marks – 50, Theory – 40, Internal Assessment – 10

Unit 1: Prof. Shampa Dutta

2nd Module (October to December)

Core Course 3: Real Analysis (BMG3CC1C)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

Unit 2: Dr. Pramit Rej
Unit 4: Dr. Bidyut Santra

Internal Assessment: 1st Week of December

Theory and Practical Examination: as per notification of B.U. (Tentatively in December)

SEC-1

Integral Calculus (BMG3SEC13)

Credits: Theory-2, Marks – 50, Theory – 40, Internal Assessment – 10

Unit 1: Prof. Shampa Dutta
Internal Assessment: 1st Week of December

Theory and Practical Examination: as per notification of B.U. (Tentatively in December)

Semester IV

1st Module (January to March)

Core Course 4: Algebra (BMG4CC1D)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

Unit-1: Dr. Pramit Rej
Unit 3: Dr. Bidyut Santra

SEC-2: Vector Calculus (BMG4SEC21)

Credits: Theory-2, Marks – 50, Theory – 40, Internal Assessment – 10

Unit 1: Prof. Shampa Dutta

2nd Module (April to June)

Core Course 4: Algebra (BMG4CC1D)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

Unit-2: Dr. Pramit Rej
Unit 3: Dr. Bidyut Santra

Internal Assessment: 4th Week of May

Theory and Practical Examination: as per notification of B.U. (Tentatively on June)

SEC-2: Vector Calculus (BMG4SEC21)

Credits: Theory-2, Marks – 50, Theory – 40, Internal Assessment – 10

Unit 2: Prof. Shampa Dutta

Internal Assessment: 4th Week of May

Theory and Practical Examination: as per notification of B.U. (Tentatively on June)

Semester V

1st Module (July to September)

**Discipline Specific Elective
DSE 1: Matrices (BMG5DSE1A1)**

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

**Unit 1: Dr. Bidyut Santra
Unit 3: Prof. Shampa Dutta**

2nd Module (October to December)

**Discipline Specific Elective
DSE 1: Matrices (BMG5DSE1A1)**

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

**Unit 2: Dr. Bidyut Santra
Unit 4: Prof. Shampa Dutta
Internal Assessment: 1st Week of December**

Theory and Practical Examination: as per notification of B.U. (Tentatively on December)

Semester VI

1st Module (January to March)

DSE-2: Numerical Methods (BMG6DSE1B1)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

Unit 1: Dr. Bidyut Santra

2nd Module (April to June)

DSE-2: Numerical Methods (BMG6DSE1B1)

Credits: Theory-5, Tutorial-1, Marks – 75, Theory – 60, Internal Assessment – 10, Attendance-05

**Unit 1: Dr. Bidyut Santra
Internal Assessment: 4th Week of May**

Theory and Practical Examination: as per notification of B.U. (Tentatively on June)

Counselling Programme – Final week of June- General outline on the admission and scope of higher education and related jobs