

**Department of Mathematics  
Sarat Centenary College**

**Academic Plan and Activities**

**Academic Session: 2019-2020**

**Distribution of syllabus into Modules and Units of B.Sc. General Course CBCS**

**Semester-I**

**1<sup>st</sup> Module (July to September)**

**Core Course 1: Differential Calculus (BMG1CC1A)**

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

**Unit 1-2: Prof. Shampa Dutta**

**2<sup>nd</sup> Module (October to December)**

**Core Course 1: Differential Calculus (BMG1CC1A)**

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

**Unit 3: Prof. Shampa Dutta**

**Internal Assessment: 1<sup>st</sup> Week of December**

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

**Semester-II**

**1<sup>st</sup> Module (January to March)**

**Core Course 2: Differential Equation (BMG2CC1B)**

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

**Unit 1: Prof. Shampa Dutta**

**Unit 3: Dr. Pramit Rej**

**2<sup>nd</sup> Module (April to June)**

**Core Course 2: Differential Equation (BMG2CC1B)**

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

**Unit 2: Prof. Shampa Dutta**

**Unit 4: Dr. Pramit Rej**

**Internal Assessment: 4<sup>th</sup> Week of May**

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

**Semester-III**

**1<sup>st</sup> 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**

**2<sup>nd</sup> 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. Prमित Rej**

**Unit 4: Dr. Bidyut Santra**

**Internal Assessment: 1<sup>st</sup> 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: 1<sup>st</sup> Week of December**

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

**Semester IV**

**1<sup>st</sup> 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. Prमित 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**

**2<sup>nd</sup> 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. Prमित Rej**

**Unit 3: Dr. Bidyut Santra**

**Internal Assessment: 4<sup>th</sup> 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: 4<sup>th</sup> Week of May**

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

### **Semester V**

#### **1<sup>st</sup> 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**

#### **2<sup>nd</sup> 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: 1<sup>st</sup> Week of December**

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

### **Semester VI**

#### **1<sup>st</sup> 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**

#### **2<sup>nd</sup> 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: 4<sup>th</sup> 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**