



Department of Mathematics

St. Edmund's College

NAAC Accredited A

Affiliated to North Eastern Hill University

Recognized by the University Grant Commission under 2 (f) and 12 (B) of the UGC Act 1956

Awarded STAR STATUS COLLEGE (DBT, Govt. of India)

 Department/HOD Email

 <http://sec.edu.in>

June - November 2023

SEMESTER: 1st

PAPER NO: MTH- 100, MTH-101

NAME OF PAPER: Fundamental Mathematics I

Unit	Name of Teacher	Topics
I	Manbhalang Chyne	Limits and Continuity
II	Sabari Sarkar, Amplify Sawkmie	Differentiation
III	Dipankar Deb, Bankhrawnarnam Dkhar	Definite Integrals and its applications
IV	Gregory Jala Kharbhih	Algebra

SEMESTER: 1st

PAPER NO: MDC-111

NAME OF PAPER: Multidisciplinary Course – Mathematics in Daily Life

Unit	Name of Teacher	Topics
I	Sabari Sarkar	Arithmetic Ability
II	Dipankar Deb	Banking Ability
III	Manbhalang Chyne	Data Interpretation

SEMESTER: 3rd

PAPER NO:

NAME OF PAPER: Calculus II & Statics

Unit	Name of Teacher	Topics
I	Dipankar Deb, Sabari Sarkar	Statics
II	Manbhalang Chyne	Statics
III	Gregory Jala Kharbhih	Sequences & Series
IV	Amplify Sawkmie	Applications of derivatives
V	Bankhrawnarnam Dkhar	Applications of integration



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SEMESTER: 5th

PAPER NO:

NAME OF PAPER: Elementary Number Theory

Unit	Name of Teacher	Topics
I, II	Gregory Jala Kharbhih	Elementary Number Theory

SEMESTER: 5th

PAPER NO:

NAME OF PAPER: Differential Equations

Unit	Name of Teacher	Topics
I, II	Dipankar Deb	Differential Equations

SEMESTER: 5th

PAPER NO:

NAME OF PAPER: Advanced Calculus I

Unit	Name of Teacher	Topics
I	Manbhalang Chyne	Riemann Integration
II,III	Amplify Sawkmie	Integration as a function of parameter, Multiple Integrals

SEMESTER: 5th

PAPER NO:

NAME OF PAPER: Advanced Dynamics

Unit	Name of Teacher	Topics
I	Sabari Sarkar	Work, Power, Energy
II,III	Bankhrawnam Dkhar	Motion of a particle



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February – June 2024

SEMESTER: 2nd

PAPER NO: MTH-150, MTH-151

NAME OF PAPER: Fundamental Mathematics II

Unit	Name of Teacher	Topics
I	Dipankar Deb, Bankhrawnarnam Dkhar	Two Dimensional Geometry
II	Manbhalang Chyne	Three Dimensional Geometry
III	Amplify Sawkmie	Multivariable Differential Calculus
IV	Gregory Jala Kharbhih, Sabari Sarkar	Vector Calculus

SEMESTER: 2nd

PAPER NO: MDC-163

NAME OF PAPER: Multidisciplinary Course – Fundamentals of Statistics

Unit	Name of Teacher	Topics
I	Gregory Jala Kharbhih	Introduction to Statistics
II	Manbhalang Chyne	Descriptive Measures
III	Dipankar Deb	Elementary Probability

SEMESTER: 4th

PAPER NO: MTH- 100

NAME OF PAPER: Algebra II & Dynamics

Unit	Name of Teacher	Topics
I	Bankhrawnarnam Dkhar	Group Theory
II, V	Gregory Jala Kharbhih	Theory of Equations
III, IV	Sabari Sarkar	Motion of a particle, Projectiles, Work, Energy



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SEMESTER: 6th

PAPER NO: MTH- 100

NAME OF PAPER: Computer Programming in C & CONA

Unit	Name of Teacher	Topics
I, II, III	Amplify Sawkmie	C Programming
IV, V	Dipankar Deb	Computer Oriented Numerical Analysis

SEMESTER: 6th

PAPER NO: MTH- 100

NAME OF PAPER: Advanced Algebra

Unit	Name of Teacher	Topics
I, II	Gregory Jala Kharbhih	Group and Ring Theory
III	Manbhalang Chyne	Linear Algebra

SEMESTER: 6th

PAPER NO: MTH- 100

NAME OF PAPER: Advanced Calculus II

Unit	Name of Teacher	Topics
I	Sabari Sarkar	Metric Spaces
III	Bankhrawn Dkhar	Multivariable Calculus



Principal
(In - Charge)
St. Edmund's College
Shillong - 793003

(Signature of HOD)