

**Department of Botany
Sarat Centenary College
Teaching Assignment
2024-25**

CBCS GENERAL

SEMESTER V

Discipline Specific Elective (DSE 1A) : Economic Botany and Biotechnology

Name of the teacher : Dr. K. M. Hasib

Unit 1: Origin of Cultivated Plants
Unit 2: Cereals
Unit 3: Legumes
Unit 4: Spices
Unit 5: Beverages
Unit 6: Oils and Fats
Unit 7: Fibre Yielding Plants
Unit 8: Introduction to biotechnology
Unit 9: Plant tissue culture
Unit 10: Recombinant DNA Technique
Practical

SEMESTER VI

Discipline Centric Elective (DSE 1B) : Cell Biology, Genetics and Molecular Biology

Name of the teacher : Dr. K. M. Hasib

Unit 1: Techniques in Biology

Unit 2: Cell as a unit of Life
Unit 3: Linkage and Crossing over
Unit 4: Mutations and Chromosomal Aberrations
Unit 5: Cell Organelles
Unit 6: Cell Membrane and Cell Wall
Unit 7: Cell Cycle
Unit 8: Genetic material
Unit 9: Transcription (Prokaryotes and Eukaryotes)
Unit 10: Regulation of gene expression
Practical

SEC 4 : Ethnobotany

Name of the teacher : Dr. K. M. Hasib

Unit 1: Ethnobotany :
Unit 2: Methodology of Ethnobotanical studies
Unit 3: Role of ethnobotany in modern Medicine