Joya Gogoi College
Khumtai-785619
Golaghat (Assam)
Affiliated to Dibrugarh University

B. Sc. Botany	
CBCS (Honours)	
Semester I	
Course Name	Course Outcome
BC101T MICROBIOLOGY AND PHYCOLOGY	Through this paper students can learn about the characteristics of various forms of microbes and algae and also their economic importance.
BC102T BIOMOLECULES AND CELL BIOLOGY	Through this course students will be able to understand the structures and basic components of macromolecules, familiarize with molecular organisations and cellular and molecular processes of life.
GENERIC ELECTIVE BIODIVERSITY (MICROBES,ALGAE,FUNGI,LICHEN AND ARCHEGONIATE)	In this course students will learn about different forms of plant life, they will be familiarized with various lower plants including microorganisms.
Semester II	
BC203T MYCOLOGY AND PHYTOPATHOLOGY	The students can learn about the biodiversity of fungi, know the economic importance of fungi, understand the scope and importance of Plant Pathology and also know the control measures of plant diseases in this course.
BC204T ARCHEGONIATE	Through this course the students will be familiarized with the classification, morphology, anatomy and reproduction of different species of Bryophyte and Gymnosperms and also understand the important fossil types.
GENERIC ELECTIVE PLANT PHYSIOLOGY AND METABOLISM	In this course students will learn about the mechanism and physiology of life processes in plants, they will also learn about the various metabolic pathways leading to the formation of significant molecules and their catabolism.
Semester III	
BC305T ANATOMY OF ANGIOSPERMS	Through this course the students will learn about the internal structure and reproduction of Angiosperms, anatomical organisations of plant tissues and also on their development.
BC306T ECONOMIC BOTANY	In this course students will learn about different economically important plants and also about the

	plant products and their different uses.
BC307T GENETICS	The students will be familiarized with the principles of heredity and different mechanisms of inheritance through this course, also they will learn about the extra-chromosal inheritance in plant system.
GENERIC ELECTIVE PLANT ANATOMY AND EMBRYOLOGY	Through this course students will be familiarized with the various tissue systems, they will understand the normal and anomalous secondary growth , they will understand the scope and importance of Embryology.
Semester IV	
BC408T MOLECULAR BIOLOGY	Through this course the students will learn about different Biological Macromolecules and also on the various processes which are involved with these macromolecules.
BC409T PLANT ECOLOGY AND PHYTOGEOGRAPHY	In this course the students will be familiarized with interaction of different plants with its surroundings and also about the geographic distribution of different plants.
BC410T PLANT SYSTEMATICS	The students can learn about the methods of identification, classification and nomenclature of higher plants in this course.
GENERIC ELECTIVE PLANT ECOLOGY AND TAXONOMY	In this course the students will learn about the major conceptual issues and areas of plant ecology, also the students will learn about the diversity of plants, their Description, Identification, Nomenclature and Classification.
Semester V	
CORE COURSE	
BC511T REPRODUCTIVE BIOLOGY OF ANGIOSPERMS	Through this course the students will be familiarized with the different processes and mechanisms of reproduction in plants.
BC512T PLANT PHYSIOLOGY	In this course students will learn about the different physiological functions of plants, they will learn about the growth and development of plants, understand the different physiological details.
DSE COURSE	
BD501T ANALYTICAL TECHNIQUES IN PLANT SCIENCES	In this course students can learn about different techniques which can be used to study different Biological processes.
BD502T BIOIFORMATICS	Through this course students will be familiarized with the various applications of computational tools in solving Biological problems.

Semester VI	
CORE COURSE	
BC613T PLANT METABOLISM	In this course the students will learn about the various metabolic processes that are involved with plant life.
BC614T PLANT BIOTECHNOLOGY	Through this course students will understand the fundamentals of plant tissue culture techniques, understand the advantages of in vitro propagation.
DSE COURSE	
BD605T PLANT BREEDING	In this course students can learn about different methods of plant improvement and breeding techniques.
BD606T NATURAL RESOURCE MANAGEMENT	Through this paper students can learn about different natural resources and their management practices.