Tamralipta Mahavidyalaya

Tamluk, Purba Medinipur

Department of Botany

"Programme: BOTANY (Major)"

Sl.No	On Completing Botany Honours Programme, the learners will be able to-
PSO1	Understand the basic concepts of all the aspects of botany, ranging from diversity in structure, development, and function to systematic.
PSO2	This programme gives the brief ideas on early plants and microbes. And the interaction between plants and human society. Understand the different plant diseases and their protections, plants morphology and anatomy and evolutions. And give the idea on modern analytical techniques in plant sciences.
PSO3	Understand the evolution and application of plant groups.
PSO4	After completion of the programme students improved their knowledge and apply the knowledge in their professional and daily life. To Prepare themselves for different competitive examination with botany as subject.
PSO5	Become a responsible citizen of the nation.

Course Outcomes (COs):Botany (Major)

	On completing the course the learners will be able to know-		
SEMESTER 1	Course title: Plants and Microbial Diversity and its Evoluation Code: MJ-1T & MJ-1P Credit:3+1=4	CO1	Gives a preliminary idea, concepts on Microbes and their impact on society.
		CO2	Understand about viroids and prions, and nature of T4-phage and SARS-COV2 virus and different Bacteria.
		CO3	Concept of the classification, life cycle and economic importance of Algae
		CO4	Practical knowledge on Phycology and Microbiology
		CO5	Idea about different lower plants their classifications, life cycle and their role.
		CO6	Preliminary knowledge about geological time scale and different fossils.
SEMESTER2	Course title: Morphology, Anatomy and Plant Taxonomy Code: MJ-2T & MJ-2P Credit: 3+1= 4	CO1	Morphological knowledge of higher plants.
		CO2	Taxonomic knowledge of higher plants and their identification, classification and evolution.
		CO3	Practical knowledge about herbarium and botanical garden.
		CO4	This part gives the knowledge about internal structure of plant parts.
		CO5	Idea about primary, secondary and anomalous growth processes of Plants.
		CO6	Practical knowledge on Morphology, Taxonomy and Anatomy of Angiosperms.

Tamralipta Mahavidyalaya

Tamluk, Purba Medinipur

Department of Botany

"Programme: BOTANY (MDC)"

Sl.No	On Completing Botany Honours Programme, the learners will be able to-
PSO1	Understand the basic concepts of all the aspects of botany, ranging from diversity in structure, development, and function to systematic.
PSO2	This programme gives the brief ideas on early plants and microbes. And the interaction between plants and human society. Understand the different plant diseases and their protections, plants morphology and anatomy and evolutions. And give the idea on modern analytical techniques in plant sciences.
PSO3	Understand the evolution and application of plant groups.
PSO4	After completion of the programme students improved their knowledge and apply the knowledge in their professional and daily life. To Prepare themselves for different competitive examination with botany as subject.
PSO5	Become a responsible citizen of the nation.

Course Outcomes (COs):Botany (Honours)

	On completing the course the learners will be able to know-		
SEMESTER 1	Course title: Morphology, Anatomy and Plant Taxonomy Code: MJ-A1T & MJ- A1P Credit: 3+1= 4	CO1	Concept of Virus and Bacteria.
		CO2	Practical knowledge on Phycology and Microbiology
		CO3	Idea about different lower plants their classifications, life cycle and their role
		CO4	Practical application of lower plants in our society.
		CO5	Concept about gymnosperms and their practical application.
		CO6	Knowledge about geological time scale and different fossils.
SEMESTER2	Course title: Morphology, Anatomy and Plant Taxonomy Code: MJ-B1T & MJ- B1P Credit: 3+1= 4	CO1	Morphological knowledge of higher plants.
		CO2	Taxonomic knowledge of higher plants and their identification, classification and evolution.
		CO3	Practical knowledge about herbarium and botanical garden.
		CO4	This part gives the knowledge about internal structure of plant parts.
		CO5	Idea about primary, secondary and anomalous growth processes of Plants.
		CO6	Practical knowledge on Morphology, Taxonomy and Anatomy of Angiosperms.