

Swarnamoyee Jogendranath Mahavidyalaya

At+P.O.: Amdabad, P.S.: Nandigram, Dist.: Purba Medinipur, PIN 721650

DEPARTMENT OF BOTANY

COURSE OUTCOMES OF GENERIC ELECTIVE COURSES UNDER CBCS w.e.f. 2018-19

<p>Course Code: GE-1</p> <p>Course Title: Biodiversity (Microbes, Algae, Fungi & Archegoniate)</p> <p>Credits: 6</p>
<p>Course Outcomes:</p> <ul style="list-style-type: none">• Understanding of the diversity of microorganisms, algae, fungi, and plant groups.• Knowledge of the structural and functional characteristics of viruses, bacteria, algae, fungi, and plants.• Familiarity with the ecological roles and distributions of different microbial and plant species.• Knowledge of classification systems and taxonomic relationships within each group.• Understanding of the life cycles, reproductive strategies, and adaptations of various microorganisms and plant species.• Awareness of the economic importance of microbes and plants in various fields such as agriculture, medicine, industry, and environmental conservation.

Course Code: GE-2

Course Title: Plant Ecology and Taxonomy

Credits: 6

Course Outcomes:

- Understanding of the fundamental principles of plant biology, including ecological factors influencing plant growth and distribution.
- Knowledge of the structure and function of ecosystems, including energy flow, trophic organization, and biogeochemical cycling.
- Familiarity with plant communities, succession processes, and the factors influencing community dynamics.
- Understanding of phytogeography, including biogeographical zones and the concept of endemism.
- Proficiency in plant taxonomy, including identification, classification, and nomenclature principles.
- Awareness of taxonomic evidences derived from various disciplines such as palynology, cytology, phytochemistry, and molecular data.
- Knowledge of taxonomic hierarchy, nomenclature rules, and principles governing botanical classification.

