

Swarnamoyee Jogendranath Mahavidyalaya

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

DEPARTMENT OF BOTANY

COURSE OUTCOMES OF MINOR COURSES IN BOTANY

4-YEAR UNDERGRADUATE PROGRAMME

w.e.f. 2023-24

BASED ON CCFUP 2023 & NEP 2020

MINOR COURSES (MI)

Semester I

MI01 Plant Science

4 credits

Upon completion of the course students will gain:

- Understanding of Whittaker's five-kingdom system and its application in classifying organisms, including viruses, bacteria, algae, fungi, and plants.
- Knowledge of the general characteristics, classification systems, and economic importance of viruses, bacteria, algae, and fungi.
- Familiarity with the lifecycle patterns and economic significance of representative species from each group, such as Volvox and Batrachospermum for algae, Rhizopus and Agaricus for fungi, and Cycas and Pinus for gymnosperms.
- Understanding of the general characteristics, classification systems, and economic importance of bryophytes and pteridophytes, including species like Riccia, Anthoceros, Funaria, Lycopodium, Adiantum, and Marsilea.
- Knowledge of paleobotany, including the geological time scale, important events in Earth's history, and the types and significance of plant fossils.