

# Swarnamoyee Jogendranath Mahavidyalaya

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

## ENVIRONMENTAL STUDIES

### COURSE OUTCOMES FOR VALUE ADDED COURSE ON ENVIRONMENTAL STUDIES

w.e.f. 2023-24

BASED ON CCFUP 2023 & NEP 2020

Semester I

VAC01 ENVS Environmental Studies

4 credits

Upon completion of the course, students will

- **Develop a multidisciplinary understanding of environmental issues:** Students will gain an understanding of environmental studies as a multidisciplinary subject, exploring the scope, importance, and concepts of sustainability and sustainable development.
- **Be able to understand ecosystem structure and function:** Students will comprehend the structure and functioning of various ecosystems, including energy flow, food chains, and ecological succession, with specific case studies on different ecosystems such as forests, grasslands, deserts, and aquatic systems.
- **Be able to analyze natural resources and their sustainable management:** Students will be able to evaluate the importance of renewable and non-renewable resources, understand the issues related to land degradation, water over-exploitation, deforestation, and propose solutions for sustainable management.
- **Be able to examine biodiversity and conservation strategies:** Students will gain a deep understanding of biodiversity, its different levels, and threats to biodiversity. They will study conservation methods and the ecological, economic, and social values of biodiversity.

- **Understand the types, causes, and effects of environmental pollution:** Students will recognize different types of pollution (air, water, soil, and noise), their causes, effects, and the measures for controlling them, including case studies on pollution control.
- **Comprehend environmental policies and practices:** Students will learn about major environmental laws in India, such as the Environment Protection Act and the Water and Air Pollution Acts, and understand international agreements like the Montreal and Kyoto protocols.
- **Understand human-environment interactions:** Students will explore the impact of human population growth, the role of human communities, and their interactions with the environment. They will gain insights into resettlement, disaster management, and environmental movements in India.
- **Be able to apply theoretical knowledge through fieldwork:** Students will conduct practical fieldwork to document environmental assets, study ecosystems, and have the opportunity to better understand environmental challenges through site visits and research, linking classroom learning with real-world observations.

