

# Sister Nibedita Government General Degree College for Girls

Hastings House, Alipore, Kolkata-700 027

## NOTICE

Notice No. SNGGDCG/222

Date: 17/11/2024

The classes for B.A./B.Sc.(Semester-1) on **Common Value Added Course-1 (CVAC-1) on Environmental Studies (ENVS01): Fundamentals of Environment** will commence on and from 18<sup>th</sup> November, 2024 (Monday). The classes will be held at the **Sister Nibedita Hall** as per the schedule circulated in Semester-I Routine.

Theory	Name of the Teacher	Dates of Allotted of Classes
<b>Unit 1 : Introduction to Environmental Studies</b> - Multidisciplinary nature of environmental studies; Scope and importance; Concept of sustainability, sustainable development, and sustainability goals; Low carbon lifestyle: Mission LIFE <b>Unit 5 : Environmental Pollution</b> - Solid Waste Management : Biomedical and e-Waste	Dr. Tuhin Subhra Sarkar	18.11.2024; 20.11.2024
<b>Unit 2 : Ecology and Ecosystems</b> - Concept of ecology, ecosystem, and ecosystem services; Structure and function of ecosystem; Energy flow in an ecosystem; Ecological Pyramid; Food chain and food web (Terrestrial and aquatic ecosystems); Basic concept of population and community ecology; Ecological succession <b>Unit 3 : Natural Resources</b> –Deforestation: causes, consequences and remedial measures	Prof. Samrat Bhattacharya	25.11.2024; 27.11.2024
<b>Unit 3 : Natural Resources</b> -Concept of renewable and non-renewable resources, Land resources and landuse change; land degradation, soil erosion and desertification; Forest resources: importance, Water use and over-exploitation of surface and ground water, floods droughts, conflicts over water (international & inter-state); Energy resources: Environmental impacts of energy generation, use of alternative and nonconventional energy sources, green energy; Natural resource accounting	Dr. Malay Ganguli	02.12.2024; 04.12.2024
<b>Unit 4 : Biodiversity and Conservation</b> - Levels of biological diversity: genetic, species and ecosystem diversity; Threats of biodiversity, IUCN threat categories; In-situ and Ex-situ conservation of biodiversity, Protected area network; <b>Unit 4 : Biodiversity and Conservation</b> - Bio-geographic zones of India, Biodiversity hot spots, Endemism, India as a mega-diversity nation.	Prof. Debjani Mukherjee (Banerjee)	09.12.2024; 11.12.2024
<b>Unit 5 : Environmental Pollution</b> - Concept of hazards wastes and human health risks; Climate change, global warming, ozone layer depletion, acid rain and their impacts on human communities and agriculture.	Dr. B. Pakhira	16.12.2024; 18.12.2024
<b>Unit 5 : Environmental Pollution</b> - Environmental pollution: concepts and types, Air, water, soil, noise and marine pollution - causes, effects and controls.	Dr. Sumi Ganguly	23.12.2024; 06.01.2024
<b>Unit 4 : Biodiversity and Conservation</b> – Role of indigenous communities in biodiversity conservation, Peoples Biodiversity; Register, Bioprospecting and Biopiracy. <b>Unit 5 : Environmental Pollution</b> - Solid waste management: Control measures of municipal wastes.	Prof. Anirban Sarkar	08.01.2024; 13.01.2024

sd/-

(Dr. Sebanti Bhattacharya)

Officer-in-Charge

Sister Nibedita Govt. General Degree College for Girls

sd/-

(Dr. S. Chakrabarti)

Convener, CVAC-1-ENVS

sd/-

(Dr. Rajarshi Roy and Dr. Tuhin Subhra Sarkar)

Jt. Conveners, CVAC-1-ENVS