

Roll No.: .....

# *National Institute of Technology, Delhi*

B.Tech (ECE & EEE, First Semester),

Mid Semester Exam

Title of the Course: Environmental Studies

Course Code: MEL 101

Time: 2 Hours

Maximum Marks: 25

## SECTION –A

1. Attempt all parts of this question. Each part carries equal mark.

(1x8=8)

- What was Green Belt Movement?
- What is the concept of Panchtatva's?
- Differentiate between Adjustment and Modification.
- Why flow of material is cyclic and energy is non cyclic in Ecosystems?
- Why world Environment day is celebrated on 5th June?
- What are the components of Environment?
- Define Eutrophication, Standing Crops and Biomass,
- Differentiate between Bioaccumulation and Biological magnification

## SECTION—B

2. Attempt any three parts of this question. Each part carries equal marks.

(4x3=12)

- What is ecological succession? Explain in detail the types and steps involved in ecological succession.
- What are the types of Biodiversity? Explain the factors responsible for changing human nature relationships.
- Define Ecology and ecosystem? Explain the biotic and abiotic factors of an ecosystem.
- What is Sustainable Development? Write a detailed note on Sulfur Cycle.

## SECTION –C

3. Attempt any one part of this section. Each question carries equal marks.

(5x1=5)

- Why fixation of Nitrogen is important? Explain Nitrogen cycle in detail with the help of neat sketch.
- Explain in detail food chains, food webs and Ecological Pyramids.