

# *National Institute of Technology, Delhi*

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

Mid-Semester Exam- September-October 2019

Title of the Course: Environmental Studies

Course Code: MEL 101

Time: 2 Hours

Maximum Marks: 25

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## SECTION –A

1. Attempt all parts of this question. Each part carries equal marks. (1x8=8)

- What was Green Belt Movement?
- Why world Environment day is celebrated on 5<sup>th</sup> June?
- Write the names of environmentalist involved in Chipko Movement and Narmada Bachao Andolan
- Define Eutrophication, Biological magnification and Bioaccumulation
- What are the factors responsible for changing human-nature relationships?
- What is the classification of organism on the basis of temperature and oxygen?
- Explain Gross primary production (GPP), Net primary production (NPP), Secondary production and Standing Crop
- What is the name of Green advocate and Green Judge of India?

## SECTION—B

Attempt any three questions. Each question carries equal marks. (4x3=12)

- Differentiate between Photosynthesis and Respiration. Explain the various types of ecological pyramids with examples.
- Why fixation of nitrogen is necessary? With the help of neat sketch discuss Nitrogen cycle in detail.
- Differentiate between Adjustment and Modification. Write a detailed note on abiotic and biotic components of ecosystem.
- Write a detailed note on Food chain and Food webs.

## SECTION –C

- (5x1=5)
- What is ecological succession? Explain in detail the steps involved in ecological succession.