

(Please write your Exam Roll No.)

Exam Roll No. ....

## END TERM EXAMINATION

SECOND SEMESTER [B.TECH.] MAY-JUNE 2016

Paper Code: ETEN-114

Subject: Environmental Studies  
(Batch 2013 onwards)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q no.1 which is compulsory. Select one question from each unit.

- Q1 Attempts all parts:- (2.5x10=25)
- (a) Functions of an eco system.
  - (b) Explain with examples the terms of food chain and food webs.
  - (c) What are the Environmental consequences of deforestation?
  - (d) Discuss the problems of salinity and water logging.
  - (e) What is zero waste technology?
  - (f) Explain the qualities and applications of poly lactic acid.
  - (g) Justify that bioaccumulation can be a necessary as well as harmful process for organism survival.
  - (h) Differentiate between Acute and Chronic Toxicity.
  - (i) Describe the various types of natural disasters.
  - (j) Discuss the Environmental problems associated with urbanization.

### UNIT-I

- Q2
- (a) Describe the various threats to Biodiversity. (5)
  - (b) What are the major Global Environmental Problems? (4)
  - (c) How does the nutrients and the energy flow from one organism to the other? (3.5)
- Q3
- (a) How does an aquatic ecosystem support a wide range of Biodiversity?(5)
  - (b) Explain Biodiversity and its three levels - Genetic, Species and ecosystem diversity. (5)
  - (c) Write short notes on Endangered Species. (2.5)

### UNIT-II

- Q4
- (a) Unequal distribution of food has resulted in various food problems. Describe world food problems. (6)
  - (b) What are the causes and consequences of deforestation? (6.5)
- Q5
- (a) Explain the consequences of over exploitation of surface Water Resources. What are the techniques for Water Harvesting for Conservation? (6.5)
  - (b) What are wind mills? What are the merits and demerits and demerits of Wind Energy? (6)

### UNIT-III

- Q6 Write short notes on the following:-
- (a) Photodegradable Polymers. (4)
  - (b) Clean Development Mechanism. (4)
  - (c) Soil Pollution. (4.5)

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Q7 Write short notes on the following:-

- (a) Solid Waste Management (4)
- (b) Carbon di-oxide Sequestration (4)
- (c) Biochemical effects of Arsenic Toxicity. (4.5)

UNIT-IV

Q8 Explain the following terms:-

- (a) Disaster Management steps for an Earthquakes. (4)
- (b) Disaster Management steps for a Nuclear Accidents and Holocaust. (4)
- (c) Consumerism and Waste Products. (4.5)

Q9 Explain the following terms:-

- (a) Floods and its types (4)
- (b) Acid Rain. (4)
- (c) Wasteland Reclamation. (4.5)

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