

Code No: R13106

**R13****SET - 1****I B. Tech I Semester Supplementary Examinations, Oct/Nov. - 2018**  
**ENVIRONMENTAL STUDIES**

(Com. to CE,ME,CSE,PCE,IT,Chem E,Aero E,AME,Min E,PE,Metal E,Textile Engg)

Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answering the question in **Part-A** is Compulsory  
3. Answer any **THREE** Questions from **Part-B**

**PART -A**

1. a) What are the different ecosystems? (3M)
- b) Write on Energy resources. (4M)
- c) Define bio diversity. (4M)
- d) Write on land degradation. (4M)
- e) Write on Public awareness of environmental issues. (3M)
- f) What is EIA? (4M)

**PART -B**

2. What are the different types of aquatic ecosystems? Write briefly about each, bringing out their unique characteristics, and the threats to these ecosystems. (16M)
3. a) Explain the Role of an individual in conservation of natural resources? (8M)
- b) Explain about the environmental effects of extracting mineral resources. (8M)
4. a) Write a brief note on various types of biodiversity. (10M)
- b) Explain the evolution of diverse species in an ecosystem. (6M)
5. Describe the Sources, Effects and Methods of control of the following: (16M)  
(a) Soil and agricultural Pollution  
(b) Water Pollution  
(c) Urban and Industrial solid waste.
6. a) Discuss any two major Pollution control Acts in India. (8M)
- b) Discuss the role and activities of Central Pollution Control Board (CPCB). And state pollution control board (SPCB). (8M)
7. a) Explain about the preparation of EMP and EIS. (8M)
- b) Write a report on field visit you have undertaken to study any ecosystem. (8M)