

**I B. Tech I Semester Supplementary Examinations, January - 2020**  
**ENVIRONMENTAL STUDIES**

(Com. to CE,EEE,ME,Agri E, Auto E,Bio-Tech,Chem E,Metal E,Min E,PChem E,PE,Aero E)  
 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 **FOUR** Questions from **Part-B**

**PART -A**

1. a) What is Desert ecosystem? (2M)
- b) What are the different Natural Resources? (2M)
- c) What is a wildlife conflict? (2M)
- d) Explain briefly on Noise pollution. (2M)
- e) Explain briefly on Public awareness. (2M)
- f) What is EIS? (2M)
- g) Write on e – waste management. (2M)

**PART -B**

2. a) Write a detailed note on the forest ecosystem, bringing out its functions. (7M)
- b) How do forests get degraded and what is the outcome of deforestation. (7M)
3. a) Explain the problems created by construction of large dams for irrigation and power generation. (7M)
- b) State briefly the components of comprehensive water management strategy. (7M)
4. Describe the sources, effects and methods of control of the following: (14M)  
     (a) Water pollution      (b) Noise Pollution
5. a) Explain the classification, effects and control measures of urban and industrial solid wastes. (7M)
- b) Enumerate the main elements of water conservation. (7M)
6. a) List the major Pollution control Acts in India. (7M)
- b) Discuss the role and activities of Central Pollution Control Board (CPCB). (7M)
7. a) Define and explain EIA as a four step activity. (7M)
- b) Write few lines of the role of “State Expert Appraisal Committee” and “State Environmental Impact Assessment Authority.” (7M)