

Code No: R161108

R16**SET - 2****I B. Tech I Semester Supplementary Examinations, May/June - 2019****ENVIRONMENTAL STUDIES**

(Com. Agri E, Auto E, BT, Chem E, CE,EEE,ME,Metal 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 Compulsory3. Answer any **FOUR** Questions from **Part-B**

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**PART -A**

1. a) What are acid rains? (2M)
- b) Write on Food chains. (2M)
- c) Write the Concept of an ecosystem. (2M)
- d) What are the different Forest resources? (2M)
- e) Explain briefly on Soil pollution. (2M)
- f) Write on Wildlife Protection Act. (2M)
- g) What is EMP? (2M)

**PART -B**

2. a) Define ecosystem and list components of an ecosystem. (7M)
- b) Briefly explain the manner in which ecosystems are destroyed by human activities. (7M)
3. a) What are the actions that could serve as solutions to the problem of deforestation? (7M)
- b) List the causes and effects of soil erosion. (7M)
4. a) Explain the functioning of hydrological cycle. (7M)
- b) Discuss the evaluation of climax ecosystem along with an example. (7M)
5. a) What is significance of the term inversion in the dissipation of pollutants in the atmosphere? (7M)
- b) What is the role of an individual in prevention of pollution? (7M)
6. a) Explain the urban problems related to energy conservation. (7M)
- b) Explain the urban problems related to water conservation. (7M)
7. a) Explain the role of state and central pollution control boards according to the EPA act. (7M)
- b) Elucidate the advantages of rain water harvesting system. (7M)