

Subject Code: R13106/R13

Set No - 1

**I B. Tech I Semester Supplementary Examinations Dec - 2016**  
**ENVIRONMENTAL STUDIES**

(Com. to CE, ME, CSE, PCE, IT, CHEM, AE, AME, MM, PE, MTE, TE)

**Time: 3 hours****Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
**Three** Questions should be answered from **Part-B**

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**PART -A**

1. a) What is primary productivity? [3M]
- b) How are the world's natural resources classified? [4M]
- c) What is meant by extinction of a species? [3M]
- d) Explain why enough stress is given on three 'R's in waste management programmes. [4M]
- e) Give an example of nuclear accident. [4M]
- f) Write about EIA. [4M]

**PART -B**

2. a) List the stages of primary succession. Which stage takes the longest time and which stage will have the greatest diversity of species? [8M]
- b) Name different types of biotic components of the environment. Mention their specific roles in nature. [8M]
3. a) What is the difference in resource utilization between developed and developing countries? [8M]
- b) What are the methods of conservation soil erosion? [8M]
4. a) What are the various strategies of ex- situ conservation of biodiversity? [8M]
- b) What is biodiversity? Why has it become important recently? [8M]
5. Write the causes, effect and control measures of Air Pollution. [16M]
6. a) What are the major issues and problems related to rehabilitation of the displaced people? [8M]
- b) Discuss various provisions of Forest Conservation Act, 1980. [8M]
7. Write a report on field visit to a polluted river. [16M]