

Code No: R161108

**R16**

**SET - 1**

**I B. Tech I Semester Supplementary Examinations, May - 2017**

**ENVIRONMENTAL STUDIES**

(Com. to CE, EEE, ME, CHEM, BOT, AE, AME, MTE, MM, PE, PCE, AGE)

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**

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**PART -A**

1. a) Explain about food chain and food web. (2M)
- b) Why soil gets degraded? (2M)
- c) Explain Hot-spots of biodiversity. (2M)
- d) Name any two nuclear power stations in India. (2M)
- e) Expand: IPCC; MoEF. (2M)
- f) How CFCs are accumulated in atmosphere? (2M)
- g) What is green campus? (2M)

**PART -B**

2. a) Explain the structure and function of an ecosystem. (8M)
- b) What is the function of a Forest ecosystem? (6M)
3. a) What do you understand by over utilization of surface and ground water resource? Discuss its effects. (8M)
- b) Discuss about man induced land slider. (6M)
4. a) Define biodiversity. Explain the values of biodiversity. (8M)
- b) Bring out the difference between exsitu and insitu conservation of biodiversity. (6M)
5. a) Discuss the effects of urbanization which is causing pollution in cities and towns. (8M)
- b) Explain the causes, effects and control measure of Noise pollution. (6M)
6. Discuss the provisions which empower the government to take appropriate action in respect of
  - a) The wild life (Protection) Act, 1972 (7M)
  - b) The Forest (Conservation) Act. 1980 (7M)
7. Write short notes on
  - a) Various stages of EIA (5M)
  - b) Preparation of EMP (5M)
  - c) Green business (4M)