

**II B. Tech I Semester Regular/Supplementary Examinations, Dec - 2015****ENVIRONMENTAL STUDIES**

(Com. to ECE, EIE, ECC)

Time: 3 hours

Max. Marks: 70

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

1. a) Give short note on ecological pyramids (4M)
- b) Write about Wasteland reclamation (4M)
- c) Define biodiversity and explain its importance. (4M)
- d) What are the preventive measures for air pollution (3M)
- e) What is the effect of Rehabilitation of the people? (4M)
- f) Explain about EIA (3M)

**PART -B**

2. a) Write about population growth and explosion (8M)
- b) Define environmental studies and give the importance of environmental studies (8M)
3. a) Write notes on environmental effects of extracting and using mineral resources. (8M)
- b) Write about uses and over exploitation of surface and ground water. (8M)
4. a) Explain endangered and endemic species of India with examples. (8M)
- b) Give brief note on biodiversity at national and local levels. (8M)
5. a) What are the major causes of Nuclear hazards and accidents? (8M)
- b) Discuss the ways to minimize radiation exposure in case of nuclear accidents. (8M)
6. a) Explain in detail urban problems related to energy. (8M)
- b) Discuss salient features of Water Act and Wildlife Protection Act. (8M)
7. a) Give brief note on Environmental Management Plan (8M)
- b) Explain about Ecotourism and its importance. (8M)



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**PART -A**

1. a) Explain ecological succession (4M)
- b) What are the effects of dams on forest and tribal people? (4M)
- c) Give brief note on habitat loss. (4M)
- d) What are the control measures for water pollution (4M)
- e) Explain environmental ethics. (3M)
- f) Expand EMP. (3M)

**PART -B**

2. a) What is the role of information technology in human health. (8M)
- b) What is a food chain and food web? Explain ecological pyramid? (8M)
3. a) What are the effects of over exploitation of ground water resources? (8M)
- b) What are the advantages of modern agriculture over traditional farming? (8M)
4. a) Define value of biodiversity; discuss consumptive use and productive use. (8M)
- b) What are the hotspots of biodiversity, why it is important to preserve these areas? (8M)
5. a) Define air pollution and classify major sources of air pollution. (8M)
- b) List the major physiological effects of air pollution on plants and human beings. (8M)
6. a) Write brief note on Environmental Protection Act and Air Act. (8M)
- b) What are the measures to be taken for conservation of water resources? (8M)
7. a) Environmental Impact Assessment and its significance in various stages. (8M)
- b) Explain Environmental audit and its importance. (8M)



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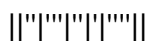
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**PART -A**

1. a) Give brief note on ozone layer depletion (4M)
- b) Role of individual in conservation of natural resources. (4M)
- c) Explain hot spots of biodiversity. (4M)
- d) What are the main source of solid waste (4M)
- e) List the major pollution control acts in India. (3M)
- f) Define environmental management (3M)

**PART -B**

2. a) Define environmental studies. Explain the scope and importance of environmental studies (8M)
- b) What is the concept of an ecosystem? Write its structure and functions of an ecosystem. (8M)
3. a) Explain the problems created by construction of dams for irrigation (8M)
- b) Explain growing energy needs and how can overcome these with alternate energy resources (8M)
4. a) Explain conservation techniques taken for biodiversity. (8M)
- b) Explain in detail threats to biodiversity with suitable examples. (8M)
5. a) Discuss in detail the sources, effects and methods of control of noise pollution. (8M)
- b) Write about soil pollution and explain the impacts of modern agriculture on soil. (8M)
6. a) Discuss the problems associated with resettlement and rehabilitation of people. (8M)
- b) What are the major issues involved in enforcement of environmental legislation. (8M)
7. a) Give brief note on preparation of EMP and EIS (8M)
- b) Discuss about ecotourism (8M)



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**PART-A**

1. a) Define food chain and food web with one example (4M)
- b) Give brief note on water logging and salinity (4M)
- c) Explain man-wild life conflicts. (3M)
- d) What are the causes and ill effects of water pollution. (4M)
- e) Define and explain resettlement of the people. (4M)
- f) Explain about EIS (3M)

**PART-B**

2. a) Give brief note on global warming and acid rains and their effects. (8M)
- b) Give the characteristic features of forest ecosystem. (8M)
3. a) Discuss the importance of renewable resources in the view of depleting natural resources (8M)
- b) Give brief note on forest resources, use and over exploitation, deforestation and associated problems. (8M)
4. a) Define biodiversity. Explain about diversity species and ecosystem diversity. (8M)
- b) Explain India as a mega – biodiversity nation. (8M)
5. a) Give brief note on solid waste management. (8M)
- b) What is the role of an individual in prevention of pollution? (8M)
6. a) Write about watershed management leading to water conservation. (8M)
- b) Write the salient points of Forest Conservation Act. (8M)
7. a) Define and explain Environment Management and Environmental Audit. (8M)
- b) Give brief note on Ecotourism and Environmental Impact Statement. (8M)

