

Code No: R161212

**R16****SET - 1****I B. Tech II Semester Regular Examinations, April/May - 2017****ENVIRONMENTAL STUDIES**

(Com. to ECE, CSE, EIE, IT, 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 **FOUR** Questions from **Part-B**

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**PART -A**

1. a) Write about ecological succession. (2M)
- b) Explain the concept of food chain. (2M)
- c) What are the methods of conserving water resources? (2M)
- d) Define biodiversity. (2M)
- e) Write the classification of municipal solid waste. (2M)
- f) List out the different types of land pollution. (2M)
- g) Write about EIA. (2M)

**PART -B**

2. a) What are the structure and function of an ecosystem? (7M)
- b) Write about Role of IT in Environment and human health. (7M)
3. a) Describe various renewable sources of energy. (7M)
- b) What are the methods of conservation soil erosion? (7M)
4. a) What is biodiversity at global, national and local levels? (7M)
- b) Write about endangered and endemic species of India. (7M)
5. a) Write about classification and effects of urban and industrial solid waste. (7M)
- b) Write the causes and effects and control methods of Air Pollution. (7M)
6. a) Mention the different environmental acts and write about Water Act. (7M)
- b) Discuss about Environmental ethics and issues connected. (7M)
7. a) Define EIA and describe various stages of EIA along with methodologies. (7M)
- b) Discuss EIA of a major thermal power project, as a case study. (7M)

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**R16****SET - 2****I B. Tech II Semester Regular Examinations, April/May - 2017****ENVIRONMENTAL STUDIES**

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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 **FOUR** Questions from **Part-B**

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**PART -A**

1. a) Differentiate between primary succession and secondary succession. (2M)
- b) Define food chain and ecological pyramids. (2M)
- c) Write about man induced landslides. (2M)
- d) What is meant by extinction of a species? (2M)
- e) Write about e – waste management. (2M)
- f) List out salient features of forest conservation act. (2M)
- g) Write about environmental audit. (2M)

**PART -B**

2. a) What are the structure and function of an ecosystem? (7M)
- b) Write about ecological succession. (7M)
3. a) What are the effects of dams on forest and tribal people? (7M)
- b) What is role of an individual in conservation of natural resources? (7M)
4. a) What are different threats to bio diversity? (7M)
- b) Discuss RAMSAR convention. (7M)
5. a) Mention about different types of pollution briefly. (7M)
- b) Name different types of air pollutants and sources of air pollution. (7M)
6. a) Write about rain water harvesting. (7M)
- b) Write about Water (Prevention and control of Pollution) Act. (7M)
7. a) Write about Impact Assessment and its significance. (7M)
- b) What are the stages involved in EMP and EIS? (7M)

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**R16****SET - 3****I B. Tech II Semester Regular Examinations, April/May - 2017****ENVIRONMENTAL STUDIES**

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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 **FOUR** Questions from **Part-B**

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**PART -A**

1. a) What is primary productivity? (2M)
- b) What are the causes of acid rains? (2M)
- c) Discuss about benefits of Dam construction. (2M)
- d) Write about man and wild life conflicts. (2M)
- e) Write about the sources of water pollution. (2M)
- f) Write about Urban problems related to energy. (2M)
- g) Write about environmental audit. (2M)

**PART -B**

2. a) Define environment. Write about global warming and climate changes. (7M)
- b) Write about energy flow in ecosystem. (7M)
3. a) What is deforestation? What are the causes of deforestation? (7M)
- b) Write about use and over utilization of ground water. (7M)
4. a) What is biodiversity at global, national and local levels? (7M)
- b) Write about endangered and endemic species. (7M)
5. a) Name different types of air pollutants and sources of air pollution. (7M)
- b) What are the various methods of safe disposal of hazardous waste management? (7M)
- Discuss.
6. a) Write about rain water harvesting concept and its advantages. (4M)
- b) What are the major issues and problems related to Resettlement and Rehabilitation of displaced people during river valley projects? (10M)
7. a) Define and Discuss ecotourism. (7M)
- b) Write about the – Green business and Green politics. (7M)

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**R16****SET - 4****I B. Tech II Semester Regular Examinations, April/May - 2017****ENVIRONMENTAL STUDIES**

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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 **FOUR** Questions from **Part-B**

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**PART -A**

1. a) Explain the concept of food chain and ecological niche. (2M)
- b) Write about energy flow in ecosystem. (2M)
- c) What are the conflicts over dams? Give an example. (2M)
- d) Write about genetic diversity. (2M)
- e) Write the classification of solid waste. (2M)
- f) Discuss the problems involved in enforcement of Environmental Legislation. (2M)
- g) Write the various stages of EIA. (2M)

**PART -B**

2. a) Write about Global warming and climate change. (7M)
- b) Write in detail about forest ecosystem. (7M)
3. a) Write in detail about energy resources. (7M)
- b) What is Waste land reclamation? (7M)
4. a) India a biodiversity nation-Explain. (7M)
- b) What are the different uses of biodiversity? (7M)
5. a) What are the causes, effects and control measures of noise pollution? (7M)
- b) What are the causes, effects and control measures of water pollution? (7M)
6. a) Write about environmental ethics. (4M)
- b) What are different acts and explain about any one act in detail? (10M)
7. a) What are the stages involved in preparation of EMP and EIS? (7M)
- b) Brief about Environmental audit. (7M)