

Code No: RT22021

R13**SET - 1****II B. Tech II Semester Regular/Supplementary Examinations, April/May-2017****ENVIRONMENTAL STUDIES**

(Electrical and Electronics Engineering)

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) Write about Food webs (3M)
- b) Write about land degradation (4M)
- c) Explain about Biodiversity? (3M)
- d) What are the effects of Soil pollution (4M)
- e) What are the different social issues? (4M)
- f) What is EMP (4M)

PART -B

2. a) Explain about the structure and function of Forest ecosystem (8M)
- b) Explain the role of information technology in Environment and human health (8M)
3. Explain in detail about
 - a) Conflicts over water, dams (8M)
 - b) Fertilizer and Pesticide problem (8M)
4. What are the different types of aquatic ecosystems? Write briefly about each, bringing out their unique characteristics, and the threats to these ecosystems. (16M)
5. a) List the major Pollution Control Acts in India. (8M)
- b) Discuss the role and activities of Central Pollution Control Board (CPCB) (8M)
6. a) What are the causes and effects of deforestation (8M)
- b) Explain the role of State and Central pollution control boards according to the EPA act. (8M)
7. Explain the Case study and preparation of Environmental Impact assessment (16M)

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R13**SET - 2****II B. Tech II Semester Regular/Supplementary Examinations, April/May-2017****ENVIRONMENTAL STUDIES**

(Electrical and Electronics Engineering)

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) Write the reasons for acid rains? (3M)
- b) Write about Timber extraction (4M)
- c) What are man-wildlife conflicts? (4M)
- d) What are the effects of Noise pollution (4M)
- e) Write briefly about Environmental ethics (4M)
- f) What is EIA (3M)

PART -B

2. a) Explain the need for students from all courses to be aware of environmental issues. (8M)
- b) Write briefly about the scope of environmental studies (8M)
3. a) Explain the problems created by construction of large dams for irrigation and power generation (8M)
- b) State briefly the components of comprehensive water management strategy (8M)
4. Explain about
 - a) Conservation of biodiversity (8M)
 - b) India as a mega-diversity nation (8M)
5. Explain the effects and control measures of urban and industrial solid wastes (16M)
6. a) Describe the problems created by the growing population of the earth. (8M)
- b) Explain briefly the pattern of global population growth in recent years which is causing alarm to environmental experts (8M)
7. a) Define and explain EIA as a four step activity. (8M)
- b) Write few lines of the role of "State Expert Appraisal Committee" and "State Environmental Impact Assessment Authority" (8M)

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SET - 3

II B. Tech II Semester Regular/Supplementary 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 **THREE** Questions from **Part-B**

PART -A

1. a) Write about acid rains (4M)
- b) Mention the non-renewable energy sources (3M)
- c) Write the Value of biodiversity (4M)
- d) What are the causes of Air pollution (4M)
- e) Explain about rain water harvesting (4M)
- f) Write briefly about Ecotourism (3M)

PART -B

2. a) Write a detailed note on the forest ecosystem, bringing out its functions (8M)
- b) How do forests get degraded and what is the outcome of deforestation (8M)
3. Explain the role of an individual in conservation of natural resources in detail (16M)
4. a) Write a brief note on biodiversity and ecosystem diversity. (8M)
- b) Explain the evolution of diverse species in an ecosystem. (8M)
5. Describe the Sources, Effects and Methods of control of the following:
 - (i) Sources of water pollution (8M)
 - (ii) Noise Pollution. (8M)
6. a) What are the major issues associated with resettlement and rehabilitation (8M)
- b) Bring out the main elements of water conservation (8M)
7. Explain one case study on EIA in Industries (16M)

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SET - 4

II B. Tech II Semester Regular/Supplementary Examinations, April/May-2017

ENVIRONMENTAL STUDIES

(Electrical and Electronics Engineering)

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**

PART -A

1. a) What are the causes of climate change? (4M)
- b) What are the World food problems (3M)
- c) Write the threats to biodiversity (4M)
- d) Explain the causes of Environmental pollution. (4M)
- e) Write about Wildlife Protection Act (4M)
- f) What is EIS? (3M)

PART -B

2. a) Explain about Stockholm and Rio Summit? (8M)
- b) Explain the structure and function of an ecosystem? (8M)
3. a) What is the necessity for a rational land use policy as part of the environmental policy? (8M)
- b) Write briefly about the unequal consumption patterns of the developed and developing countries. (8M)
4. a) Explain about the endangered and endemic species of India (8M)
- b) Explain about the social-biodiversity at national and local levels. (8M)
5. Explain the case study of water Pollution in your region (16M)
6. Describe the advantages and disadvantages for the existing environment audit Protocols (16M)
7. Explain the role of state and central pollution control boards according to the EPA act. (16M)