

Code No: RT22021

R13**SET - 1**

II B. Tech II Semester Regular Examinations, April/May - 2016
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 global warming and climate change. (4M)
- b) Write about equitable use of resources for sustainable lifestyles. (4M)
- c) Write about genetic diversity (3M)
- d) What are the causes of air pollution? (4M)
- e) What is rain water harvesting? (4M)
- f) What is EMP? (3M)

**PART -B**

2. a) What are the structure and function of an grassland ecosystem? (8M)
- b) Write about forest ecosystem. (8M)
3. a) What is deforestation? How is waste land reclaimed? (6M)
- b) Write about use and over utilization of surface and ground water. (10M)
4. a) What are the different values of biodiversity? (8M)
- b) Write about endangered and endemic species. (8M)
5. What are the causes, effects and control measures of water pollution? (16M)
6. a) What are the effects of resettlements and rehabilitation? (8M)
- b) Write about wild life protection act (8M)
7. Write a field report on the visit to a polluted river (16M)

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**R13****SET - 2****II B. Tech II Semester Regular Examinations, April/May - 2016****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 ozone layer depletion. (4M)
- b) Write about the effects of overuse and exploitation of mineral resources. (4M)
- c) Write about ecosystem diversity. (3M)
- d) Write about noise pollution (4M)
- e) What are the urban problems related to energy? (4M)
- f) Write about ecotourism. (3M)

**PART -B**

2. a) Write about producers, consumers and decomposers (9M)
- b) Write in detail about aquatic ecosystem. (7M)
3. a) Write about world food problems and changes caused by modern agriculture. (8M)
- b) Write in detail about water logging and salinity. (8M)
4. a) What are the threats to biodiversity? (6M)
- b) Write about endangered and endemic species. (10M)
5. a) What are the causes, effects and control measures of air pollution? (12M)
- b) How is solid waste management done? (4M)
6. a) Write about forest conservation act. (8M)
- b) What is rain water harvesting? (8M)
7. a) Write about EIA,EMP and EIS (12M)
- b) Why public should have awareness about environment? (4M)

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**R13****SET - 3****II B. Tech II Semester Regular Examinations, April/May - 2016****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 Rio summit. (3M)
- b) What is the role of an individual in conservation of national resources? (4M)
- c) Write about species biodiversity. (4M)
- d) Write about soil pollution. (4M)
- e) What are environmental ethics. (3M)
- f) Write about environmental audit. (4M)

**PART -B**

2. a) Write about food chain, food webs and ecological pyramids (8M)
- b) Write the definition, scope and importance of environmental studies. (8M)
3. a) Write in detail about food resources. (8M)
- b) What are the advantages and disadvantages of construction of dams. (8M)
4. What are the causes, effects and control measures of noise pollution? (16M)
5. a) Write about water pollution act. (8M)
- b) What is resettlement and rehabilitation of people? (8M)
6. a) Write about hot spots of biodiversity? (8M)
- b) What is consumptive use and productive use of biodiversity? (8M)
7. Write a field report on the visit to a polluted metropolitan city. (16M)

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**R13****SET - 4****II B. Tech II Semester Regular Examinations, April/May - 2016****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 acid rains. (4M)
- b) Write about world food problems. (4M)
- c) Write about conservation of biodiversity. (3M)
- d) Write about solid waste management and its classification (4M)
- e) List out the different acts of environment. (3M)
- f) Write about EIA. (4M)

**PART -B**

2. a) What are the structure and function of an forest ecosystem? (8M)
- b) Write about global warming and climate change. (8M)
3. a) What is soil erosion? What is waste land reclamation? (8M)
- b) Write about the equitable use of resources for sustainable lifestyles. (8M)
4. a) What are the different values of biodiversity? (8M)
- b) Write about biodiversity at national and local levels. (8M)
5. a) What are the causes, effects and control measures of nuclear hazards? (10M)
- b) What are the effects of resettlements and rehabilitation? (6M)
6. Write about Air (prevention and control of pollution) act. (16M)
7. Write a field report on the visit to a polluted site. (16M)

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