

Code No: R161212

R16

SET - 1

I B. Tech II Semester Regular/Supplementary Examinations, April/May - 2018

ENVIRONMENTAL STUDIES

(Com. to CSE, IT, EIE, ECE, E Com E)

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**

PART -A

1. a) Mention any two awareness programme of environmental issues to student. (2M)
- b) Define deforestation. (2M)
- c) Write the threats to biodiversity. (2M)
- d) List some of the effects of air pollution on physical properties of atmosphere. (2M)
- e) What is the cause of noise pollution? (2M)
- f) Define resettlement. (2M)
- g) What are solid wastes? (2M)

PART -B

2. a) Write a detailed note on the forest ecosystem, bringing out its functions. (7M)
- b) How do forests get degraded and what is the outcome of deforestation? (7M)
3. a) Explain the problems created by construction of large dams for irrigation and power generation. (7M)
- b) State briefly the components of comprehensive water management strategy. (7M)
4. Explain about the causes, effects and control measures of urban and industrial solid wastes. (14M)
5. a) Explain about urban problems related to energy. (8M)
- b) Discuss on environmental ethics. (6M)
6. a) Discuss on rain water harvesting. (6M)
- b) List the major Pollution control Acts in India. (8M)
7. Discuss in detail about Green business, Green politics and Green campus. (14M)

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SET - 2

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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**

PART -A

1. a) Write about Global warming. (2M)
- b) List the Causes of deforestation. (2M)
- c) List some of the food resources available in the world. (2M)
- d) Define ecosystem. (2M)
- e) What is HIV? (2M)
- f) Name some applications of IT in health. (2M)
- g) Write the Urban problems related to energy. (2M)

PART -B

2. a) Define ecosystem and list components of an ecosystem. (7M)
- b) Briefly explain the manner in which ecosystems are destroyed by human activities. (7M)
3. a) What are the actions that could serve as solutions to the problem of deforestation? (8M)
- b) List the causes and effects of soil erosion. (6M)
4. Write detailed notes on any two pollution case studies. (14M)
5. Explain about the major issues associated with rehabilitation and settlement of any two development projects. (14M)
6. a) Write on Forest Conservation Act and Air (Prevention and control of pollution Act). (8M)
- b) Explain the urban problems related to water conservation. (6M)
7. Explain about the Impact assessment, its significance and various stages of EIA. (14M)

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SET - 3

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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**

PART -A

1. a) Write about Acid rains. (2M)
- b) Write a note on dams and other effects on forest. (2M)
- c) List any four characteristics of ecosystem. (2M)
- d) Define bio diversity. (2M)
- e) What are the different sources of air pollution? (2M)
- f) List the means of HIV transmission. (2M)
- g) Write about Environmental audit. (2M)

PART -B

2. Explain the different areas of environmental conservation to which people belonging to different disciplines can contribute. (14M)
3. a) Discuss the uses and exploitation of forest resources. (7M)
- b) Write about the consequences of deforestation. (7M)
4. a) Write note on Biomedical and Hazardous waste. (7M)
- b) Write the control measures of water pollution. (7M)
5. a) Explain about the values of biodiversity. (7M)
- b) Discuss Wildlife Protection Act. (7M)
6. a) Discuss on climate change and global warming. (7M)
- b) Explain about Wildlife Protection Act. (7M)
7. Write a note on the following: (14M)
(a) Nanotechnology (b) Role of IT in Environment and Health.

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SET - 4

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ENVIRONMENTAL STUDIES

(Com. to CSE, IT, EIE, ECE, E Com E)

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**

PART -A

1. a) Write about Timber extraction. (2M)
- b) What is Ecological succession? (2M)
- c) What are the different types of ecosystem? (2M)
- d) What are the three types of biodiversity? (2M)
- e) What are effects of air pollution on animals? (2M)
- f) Name some tests available to find HIV infection. (2M)
- g) Write about Ecotourism. (2M)

PART -B

2. a) Briefly explain the manner in which ecosystems are destroyed by human activities. (7M)
- b) What are the actions that could serve as solutions to the problem of deforestation? (7M)
3. a) Write a brief note on biodiversity and explain the values of biodiversity. (7M)
- b) Explain the evolution of diverse species in an ecosystem. (7M)
4. a) Explain about the endangered and endemic species of India. (7M)
- b) Write about management of bio-medical and Hazardous waste. (7M)
5. a) Discuss about Women and Child Welfare measures. (7M)
- b) Explain few Social Issues. (7M)
6. a) How does the class room study vary from the field study? Explain out of your experiences. (8M)
- b) Write about the case study of water pollution at a place that you have visited. (6M)
7. Explain about the preparation of EMP and EIS. (14M)