

I/IV B.Tech. DEGREE EXAMINATIONS, NOV/DEC-2017

First Semester

CSE/ECE/EEE

ENVIRONMENTAL SCIENCE & ENGINEERING

Time: Three Hours

Maximum marks:60

Answer Question No.1 Compulsory

12X1=12 M

Answer ONE Question from each Unit

4X12=48 M

1. Write a short notes on
 - a) Deforestation
 - b) Soil erosion
 - c) Ecosystem
 - d) Nuclear pollution
 - e) Rain water Harvesting
 - f) Desert ecosystem
 - g) Disadvantages of Dam
 - h) Earth summit 1992.
 - i) Water pollution Act.
 - j) Carbon cycle
 - k) Soil pollution
 - l) Noise pollution.

UNIT-I

2.
 - a) Briefly explain the use and over utilization of surface and ground water.
 - b) What is land Degradation.

(OR)

3.
 - a) What are the functions of an ecosystem?
 - b) What are the threats to aquatic ecosystem?

UNIT-II

4.
 - a) Explain India as a mega-diversity Nation.
 - b) What are the effects of noise pollution on physical health.

(OR)

5.
 - a) :Preservation of Bio-diversity aims at improving the quality of human life". Discuss.
 - b) What are the control measures of Air pollution?

UNIT-III

6. a) What is Rain water harvesting? Explain.
b) What is Green Revolution? Explain.

(OR)

7. a) What is watershed management?
b) What is Environmental Impact Assessment. (EIA).

UNIT-IV

8. Write about
a) Florosis
b) Bhopal gas tragedy

(OR)

9. a) Write about Environmental protection Act.
b) Explain “Stockholm conference 1972”.



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BT / CSE / ECE / EEE

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Answer Question No. 1 Compulsory.

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Answer ONE question from each Unit.

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1. Define the following :

- a) Types of forests.
- b) EIA.
- c) Florosis.
- d) Green House effect.
- e) Biodiversity.
- f) Ecology.
- g) Noise levels at hospitals.
- h) Two sources of air pollution.
- i) SPM.
- j) Acid rain.
- k) Incineration.
- l) Cloud seeding.

UNIT - I

2. a) Effect of modern agriculture on land resources, discuss.
- b) Explain about the multipurpose dams.

(OR)

3. a) Write about the types of forests.
- b) Explain about Nitrogen cycle.

UNIT - II

4. a) What are the threats to biodiversity in India, explain.
- b) What is noise pollution, discuss the effects.

P.T.O.

(OR)

5. a) What are the methods to manage the solid waste.
- b) Write about the endangered species of India.

UNIT - III

6. a) Explain about various rain water harvesting techniques.
- b) What is EIA, explain the procedure in detail.

(OR)

7. a) Explain how the ozone layer is getting depleted.
- b) What is green revolution, explain.

UNIT - IV

8. a) What is Forest Conservation Act, explain in detail.
- b) Explain about Earth Summit 1992.

(OR)

9. a) Explain about Bhopal Tragedy.
- b) Explain about the pollution control methods for water.

