

B.Tech II Year I Semester (R13) Supplementary Examinations June 2017

ENVIRONMENTAL SCIENCE

(Common to EEE, CSE & IT)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What do you mean by overgrazing?
 - Mention any two impacts of dam construction.
 - Differentiate between biotic and abiotic components of ecosystem.
 - Define ecological pyramid.
 - How many decibels can the human ear handle?
 - List the sources of solid waste.
 - Write short note on holocaust.
 - Give some of the possible effects of depletion of ozone layer.
 - Why is it bad to be overpopulated?
 - What is the importance of human rights?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 (a) Write short notes on fertilizer-pesticide problem.
(b) Give the environmental effects of extracting and using mineral resources.

OR

- 3 Write in detail on the role of an individual in conservation of natural resources and use.

UNIT – II

- 4 Explain food chain, food web and ecological pyramids with suitable examples and diagrams.

OR

- 5 Write a note on endangered and endemic species of India.

UNIT – III

- 6 How landslides occur and what are its influencing factors? How the effects of landslides be mitigated.

OR

- 7 (a) Discuss various sources of soil pollution.
(b) What are the measures to reduce surface water pollution?

UNIT – IV

- 8 Describe in detail about the urban problems related to energy.

OR

- 9 Explain the effects of climate change and its possible solutions.

UNIT – V

- 10 What is Universal Declaration of Human Rights (UDHR) and what is its significance? Name any three organizations that promote UDHR.

OR

- 11 Write the origin, mode of transmission, symptom and control measures of AIDS.
