

B.Tech II Year I Semester (R13) Regular Examinations December 2014

ENVIRONMENTAL SCIENCE

(Common to EEE, CSE and IT)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- What are renewable resources? State any two examples.
 - Write about the work of Sunderlal Bahuguna
 - Define food web, give one example.
 - Write about In-situ conservation of biodiversity.
 - Write the significance of biological oxygen demand.
 - Define air pollution and give two examples.
 - Write the reason behind Resettlement of the people.
 - Write disadvantages of global warming.
 - Define value education.
 - Give any two family welfare programmes.

PART – B

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

UNIT - I

- 2 (a) Explain multidisciplinary nature of the environment.
(b) What is the role of an individual in the protection of the environment?

OR

- 3 Describe benefits and impacts of construction of large dams on man and the environment. Give the possible practical solutions.

UNIT - II

- 4 Define and explain food chain, food web and energy pyramids with suitable examples and their significance in the ecosystem.

OR

- 5 (a) Define biodiversity and explain biodiversity at local, national and global levels.
(b) Discuss about endemic and endangered species.

UNIT - III

- 6 Discuss in detail about various solid waste management techniques.

OR

- 7 Write in detail about causes and effects of urban and industrial waste. Explain the waste control measures.

UNIT - IV

- 8 (a) Give brief notes on waste land reclamation.
(b) What is the role of information technology in environment and human health?

OR

- 9 (a) Write about rain water harvesting method.
(b) Write short notes on environmental ethics.

UNIT - V

- 10 State the reasons for differences in the rate of population growth in various nations. Also write the effect of the same on the environment.

OR

- 11 Describe your recent visit to any industrial site and explain the impact of pollutants emitted on environment and discuss the various measures to control the pollution levels.
