

B.Tech II Year II Semester (R15) Regular Examinations May/June 2017

ENVIRONMENTAL SCIENCE

(Electronics & Communication Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Mention the scope and importance of environmental studies.
 - (b) What are the effects of dams on forest?
 - (c) Differentiate between food chain and food web.
 - (d) What are the aesthetic values of biodiversity?
 - (e) What are the control methods of thermal pollution?
 - (f) Define disaster management.
 - (g) Write a note on 3R principle.
 - (h) What is nuclear holocaust? How can it occur?
 - (i) Define zero population growth.
 - (j) What are the objectives of family planning programmes?

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

UNIT – I

- 2 Explain in detail about forest resources. Its functionality and benefits.

OR

- 3 What is deforestation? What are the causes of deforestation? And explain their impact on the environment.

UNIT – II

- 4 Explain in detail the energy flow through the ecosystem.

OR

- 5 Define the term hot spot in biodiversity. Explain any two in detail.

UNIT – III

- 6 List the various sources and effects of noise pollution. Also explain the factors and actions that may help in noise reduction at source, in transmission and at receiving end.

OR

- 7 Briefly explain the functional elements in solid waste management.

UNIT – IV

- 8 Write short notes on:

- (a) Environmental ethics.
- (b) Waste land reclamation.

OR

- 9 Discuss the modern techniques of rain water harvesting.

UNIT – V

- 10 What is meant by population explosion? Discuss the Indian scenario.

OR

- 11 Discuss HIV/AIDS, mode of its spread and its effect on environment.
