

B.Tech I Year I Semester (R15) Supplementary Examinations November/December 2019

ENVIRONMENTAL STUDIES

(Common to ECE, ME, EIE, IT & FT)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What are the objectives of environmental studies?
 - (b) Write the types of forest resources.
 - (c) What are secondary consumers?
 - (d) Define ecological pyramids and mention its types.
 - (e) What are water pollutants?
 - (f) Mention the sources of industrial waste.
 - (g) What kind of gases cause acid rain?
 - (h) What is meant by ozone layer depletion?
 - (i) What are human rights?
 - (j) What is meant by mortality?

PART – B

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

UNIT – I

- 2 Explain the importance of environmental studies. Why is environmental education provided to engineers?

OR

- 3 Discuss the benefits and effects of floods.

UNIT – II

- 4 Explain energy flow in the ecosystem.

OR

- 5 Discuss the characteristic features, structure and function of the forest ecosystem.

UNIT – III

- 6 What is thermal pollution? Explain causes, effects and control measures of it.

OR

- 7 Discuss causes, effects and control measures of urban waste.

UNIT – IV

- 8 Discuss about resettlement and rehabilitation methods of effecting people.

OR

- 9 What is wasteland reclamation? Discuss the manual methods of waste land reclamation.

UNIT – V

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

OR

- 11 Explain in details about visited rural and agricultural area.
