

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

ENVIRONMENTAL STUDIES

(Common to CE, EEE and CSE)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Distinguish between renewable and non-renewable resources.
 - (b) Write any four effects of modern agriculture.
 - (c) Recall the term 'ecological succession'.
 - (d) What are biodiversity hot spots? Mention any two hot spots in India.
 - (e) Identify any four air pollutants and their sources and effects.
 - (f) Define solid waste management.
 - (g) Evaluate the objectives of resettlement and rehabilitation of people.
 - (h) List four objectives for forest conservation act.
 - (i) Write the consequences of population explosion.
 - (j) Enumerate the sources of HIV infection.

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

- 2 (a) Discuss the effects of timber extraction on forests and tribal people.
(b) Write a brief note on evil effects of mining operation on environment.

OR

- 3 (a) Examine the causes and consequences of deforestation.
(b) Describe the changes caused by overgrazing.

UNIT – II

- 4 (a) Describe the types, characteristic features, structure and function of grassland ecosystem.
(b) Illustrate the cycles in ecosystem.

OR

- 5 (a) What is biodiversity? Discuss the values and significance of biodiversity.
(b) Write a note on in-situ and ex-situ conservation of biodiversity.

UNIT – III

- 6 (a) State how acid rain is formed and give its adverse effect on environment.
(b) List the effects of nuclear pollution.

OR

- 7 (a) Discuss the control measures of urban and industrial wastes.
(b) What are the effects of cyclones?

UNIT – IV

- 8 (a) Discuss the need for rain water harvesting. What are the ways of achieving it?
(b) Summarize the advantages of watershed management.

OR

- 9 (a) Discuss various measures for wasteland reclamation.
(b) Why do we refer to environment protection act 1986 as an umbrella act?

UNIT – V

- 10 (a) Discuss the variation of population among nations.
(b) Write down the various methods of imparting value education.

OR

- 11 (a) Write explanatory note on women and child welfare.
(b) What are the objectives of remote sensing?
