

B.Tech I Year II Semester (R15) Regular & Supplementary Examinations May/June 2019

ENVIRONMENTAL STUDIES

(Common to CE, EEE & CSE)

Time: 3 hours

Max. Marks: 70

PART – A

(Compulsory Question)

1 Answer the following: (10 X 02 = 20 Marks)

- (a) Name the three categories of the living organisms present in the environment.
- (b) Mention the per capita availability of forest area in India and in the world.
- (c) Distinguish between abiotic and biotic components of ecosystem.
- (d) Why are decomposers called micro consumers?
- (e) Distinguish urban and industrial wastes with examples.
- (f) Define air pollution? Write few causes for air pollution.
- (g) How does Ozone layer protect us?
- (h) Recall the term watershed management.
- (i) What are sexually transmitted diseases? How these affect human life expectancy?
- (j) Why is the soil on river bank is nutrient poor?

PART – B

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

UNIT – I

2 Briefly explain the types of biotic components of the environment and also mention their specific roles in nature.

OR

3 Describe the role of individual in conservation of natural resources.

UNIT – II

4 Explain the following:

- (a) Energy flow in ecosystem.
- (b) Salient features of a pond ecosystem.

OR

- 5 (a) How is diversity at all levels generally conserved?
- (b) Give the benefits of biological diversity.

UNIT – III

6 What are the main causes of water pollution? How can water pollution be controlled?

OR

7 Discuss the ways in which land is degraded. Suggest steps to check land degradation.

UNIT – IV

8 Explain the major issues and problems related to rehabilitation of displaced people.

OR

- 9 (a) Enlist main guidelines of the Air Act 1981.
- (b) Consumerism and waste generation are interrelated –comment.

UNIT – V

10 Briefly discuss about the initiatives undertaken by the Indian government for empowering women.

OR

11 Prepare a detailed field report of the visit of a river site.