

Code: IT2T4, EC2T4, AE2T6

**I B.Tech-II Semester–Regular/Supplementary Examinations
April 2019**

**ENVIRONMENTAL STUDIES
(Common for IT, ECE & AE)**

Duration: 3 hours

Max. Marks: 70

PART – A

Answer *all* the questions. All questions carry equal marks

11 x 2 = 22 M

1. a) Practice before preach. Correlate with respect to environmental protection.
- b) What do you mean by organic farming? What are their advantages?
- c) Define Ecosystem. List the major Components of Eco system.
- d) Define values of biodiversity. Give any two examples.
- e) What do you mean by thermal pollution? What are its effects?
- f) How development of technology increases the E-waste? Justify it?
- g) Give any two key points of Montreal protocol.
- h) Energy demand for urban area is more than rural area. Justify.
- i) Give any two salient features of green building concept.
- j) How does rain water harvesting methods improve ground water level?

- k) Give two common plants, birds and insects present on hill ecosystem.

PART – B

Answer any **THREE** questions. All questions carry equal marks.

3 x 16 = 48 M

2. a) Classify natural resources. Explain how they are important in the growth of a country. 8 M
- b) Compare ancient and modern agriculture practices. Which one among the two is useful in terms of protecting the environment? 8 M
3. a) Is Food Chain is a part of Food Web? Explain with examples. 8 M
- b) Describe three levels of Bio-diversity. 8 M
4. a) What are the causes and effects of water pollution? Explain its control methods. 8 M
- b) Define the term solid waste management. Explain various methods adopted for the disposal of solid wastes. 8 M

5. a) What is the thickness of ozone layer? Explain the harmful effects of ozone layer depletion. 8 M
- b) 'Population explosion threatens the global environmental balance'. Justify the Statement. 8 M
6. a) Demonstrate the steps of EIA for a new city construction like 'Amaravathi'. 8 M
- b) Give a Report on your area ecological system. 8 M