

Code: IT2T4, EC2T4, AE2T6

**I B.Tech - II Semester – Regular/Supplementary Examinations
April – 2018**

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

Duration: 3 hours

Max. Marks: 70

PART – A

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

11x 2 = 22 M

1.

- a) What is energy flow in ecosystem?
- b) What are Hotspots?
- c) How are earthquakes and cyclones formed?
- d) Write a brief note on land degradation.
- e) Write about Bio fertilizers.
- f) What is meant by Thermal pollution?
- g) Write notes on Solid waste generation.
- h) What is Global warming?
- i) Concept of green buildings and clean development mechanism.
- j) What is meant by watershed management?
- k) Write a brief note on Green belt development.

PART – B

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

3 x 16 = 48 M

2. a) Write about benefits and problems of Dams. 8 M
- b) Explain the environmental effects of extracting and using of mineral resources. 8 M
3. a) Write an account on Food chain and food web. 8 M
- b) Enumerate the values of biodiversity. 8 M
4. a) Write about Air pollution causes, effects & control measures. 8 M
- b) Classify solid waste and explain the modern methods of solid waste management. 8 M
5. a) Discuss the significant features of Earth summit, 1992. 8 M
- b) Discuss the role of IT in environment and human health. 8 M
6. a) Discuss the salient features of Forest conservation Act, 1980. 8 M
- b) Explain the environmental impact assessment. 8 M