

Code: IT2T4, EC2T4, AE2T6

**I B.Tech - II Semester – Regular/Supplementary Examinations –
May 2017**

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) Write differences between Renewable and Non-Renewable energy resources with an example.
- b) What is soil erosion?
- c) What is biodiversity and why it is important?
- d) Differentiate between In-situ and Ex-situ conservation method with example?
- e) Define carbon footprint in bio-geochemical cycle.
- f) What is noise pollution? Write measuring units of noise pollution.
- g) What is food chain?
- h) List out four major green house gases.
- i) What is water pollution?
- j) What is the role of GIS in environment?
- k) Why is Reusing and Recycling materials so important?

PART – B

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

3 x 16 = 48 M

2. a) Describe briefly the Major functions of Forest. 8 M
- b) How we can reduce threat of flooding? 8 M
3. a) Describe carbon bio-geochemical cycles and why it is called centre of life? 8 M
- b) How should we manage and sustain Parks and Nature Reserves? 8 M
4. a) How can we evaluate nuclear hazards and how can avoid the worst of them? 8 M
- b) Why Decomposers won't work on E- wastage (electronic wastage) in the degradation process specify the reason behind it? 8 M
5. a) What are the causes of Ozone layer depletion taking place in stratosphere? What is name of spectroscopy using and measuring of unit of Ozone intensity? 8 M
- b) Write description on Global warming effects on nature. 8 M

6. a) Describe role of IT on environment and human health.

8 M

b) How can we use Economic tools to deal with
Environmental problems?

8 M