

Code: CE1T4, ME1T4, CS1T4, EE1T4, EE2T4RS, CE2T7RS

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

**ENVIRONMENTAL STUDIES
(Common for CE, ME, CSE & EEE)**

Duration: 3 hours

Max. Marks: 70

PART – A

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

11 x 2 = 22 M

1.

- a) What is meant by environmental studies?
- b) What are the benefits and problems of constructing Dams ?
- c) What is mining?
- d) What are the functions of an ecosystem ?
- e) What is biodiversity?
- f) Write global climatic change.
- g) What is meant by solid waste management?
- h) Write about Air act.
- i) How does ozone layer depletion occurs?
- j) Explain the rain water harvesting and watershed management.
- k) Give the names of endangered and endemic species in India.

PART B

Answer Any **THREE** the questions. All questions carry equal marks

3 x 16 = 48 M

2.a) Give an account of natural energy resources in India. 8 M

b) Discuss the causes and consequences of deforestation. 8 M

3.a) What are Bio-geochemical cycles? Explain Nitrogen cycle with a neat sketch. 8 M

b) What are the Hotspots of Biodiversity? Which are the Hotspots found in India? Discuss its salient features. 8 M

4.a) Explain the e-waste and management. 8 M

b) Define environmental pollution. Explain the causes, effects and control measures of soil pollution. 8 M

5.a) What are Green house gases? Discuss the phenomenon of Green house effect along with its control methods. 8 M

b) Explain the Environmental impacts of ever growing population in India. 8 M

6.a) Write about water act.

8 M

b) Write a note on "effluent treatment plant" of your local visit to any industry.

8 M