

B.Tech I Year II Semester (R15) Regular & Supplementary Examinations May/June 2017

**ENVIRONMENTAL STUDIES**

(Common to CE, EEE & CSE)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Mention few ways of drought management.
  - (b) What is water logging?
  - (c) What is ecological succession?
  - (d) Differentiate between endangered and endemic species.
  - (e) What is marine pollution?
  - (f) How do cyclones form?
  - (g) Define sustainable development.
  - (h) State the major limitations in successful implementation of our environmental legislation.
  - (i) What is meant by value education?
  - (j) List some of the causes of population explosion.

**PART – B**

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

**UNIT – I**

- 2 Discuss the various techniques for harnessing solar energy.

**OR**

- 3 Explain the causes of land degradation in detail.

**UNIT – II**

- 4 What is biodiversity? How is it classified? Explain the values of biodiversity.

**OR**

- 5 Write in detail about endangered and endemic species of India.

**UNIT – III**

- 6 Discuss in detail about the consequences of nuclear hazards.

**OR**

- 7 Explain the causes, effects and control measures of industrial wastes.

**UNIT – IV**

- 8 (a) Write about any five ways of wasteland reclamation.  
(b) How can we prevent pollution of oceans? Explain.

**OR**

- 9 How are the earthquakes caused and how are they measured? How can the effects of earthquakes be mitigated?

**UNIT – V**

- 10 Narrate the role of information technology in environmental management.

**OR**

- 11 Write the origin, mode of transmission, symptoms and control measures of AIDS.

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