

B.Tech II Year I Semester (R13) Regular &amp; Supplementary Examinations December 2015

**ENVIRONMENTAL SCIENCE**

(Common to EEE, CSE and IT)

Time: 3 hours

Max. Marks: 70

**PART – A**

(Compulsory Question)

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1 Answer the following: (10 X 02 = 20 Marks)

- (a) Write any two of the three indicators of sustainable lifestyles in human life also known as human value index.
- (b) Give any two drawbacks of hydroelectric power.
- (c) What are the two parts of a forest eco system?
- (d) Name any two accepted national hotspots of our country.
- (e) What are the four fundamental ways in which noise can be controlled?
- (f) What are the three main components in an integrated waste management strategy?
- (g) Give any two harmful effects of acid rain.
- (h) What are the two main functions of the Central Pollution Control Board?
- (i) Name any two methods of temporary birth control.
- (j) Give any two observations that should be recorded on a visit to a mountain site to document environmental assets.

**PART – B**

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

**UNIT – I**

2 Discuss the multidisciplinary nature of environmental studies.

**OR**

3 Discuss the role of an individual in conservation of natural resources.

**UNIT – II**

4 Give the characteristic features, structure and functions of a grassland ecosystem.

**OR**

5 Write about in situ and ex situ conservation of biodiversity.

**UNIT – III**

6 Define thermal pollution. Give the causes, effects and control measures of thermal pollution.

**OR**

7 Write the mitigation measures for the earthquake and cyclone disasters.

**UNIT – IV**

8 What is watershed management? Write the watershed management principles.

**OR**

9 Discuss the salient features of 'Forest Conservation Act'.

**UNIT – V**

10 Write about four major types of water related diseases.

**OR**

11 Give the guidelines for documenting a river resource use.

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