

Code: 13A01403

R13

B.Tech II Year II Semester (R13) Supplementary Examinations December/January 2015/2016

**ENVIRONMENTAL SCIENCE**

(Common to CE, ME, ECE and EIE)

Time: 3 hours

Max. Marks: 70

**PART – A**  
(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Define environment. When world's environmental day is celebrated?
  - (b) The author of the book silent spring is ----- . The book is written about -----
  - (c) Define Biodiversity. Classify two hotspots of biodiversity in India.
  - (d) Define Ecosystem. Estuary ecosystem mean -----
  - (e) Write the unit to measure the thickness of ozone layers. In which layer, ozone layer is present?
  - (f) Define acid rain. Expand BOD.
  - (g) Explain sustainable development.
  - (h) 3Rs rule is -----
  - (i) Aids day is on ----- world's population day is on -----.
  - (j) Define value education.

**PART – B**  
(Answer all five units, 5 X 10 = 50 Marks)

**UNIT – I**

- 2 Environmental studies require the basic knowledge from different subjects. Analyze multi-disciplinary nature of environmental studies.

OR

- 3 Discuss ill effects of deforestation.

**UNIT – II**

- 4 Technology owes Ecology an apology. Justify your answer to support the given statement.

OR

- 5 Explain conservation of Biodiversity. List out five endemic species of India.

**UNIT – III**

- 6 Generate new techniques/methods to replace chemical pesticides and chemical fertilizers to prevent soil pollution.

OR

- 7 Describe the sources, effects and controlling measures of water pollution.

**UNIT – IV**

- 8 Analyze how ozone layer depletion takes place.

OR

- 9 Present salient features of wildlife Act.

**UNIT – V**

- 10 Population growth is the major problem for all environmental problems. Narrate your answer.

OR

- 11 Write the role of IT in environmental education.

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