

Code: 15A01101

B.Tech I Year II Semester (R15) Supplementary Examinations December 2018

**ENVIRONMENTAL STUDIES**

(Common to CE, EEE &amp; 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) Write the scope of environmental studies.
  - (b) Give the effects of water logging.
  - (c) What is meant by forest ecosystem?
  - (d) What is meant by in-situ conservation of biodiversity?
  - (e) List out some noise pollution control measures.
  - (f) Write some causes of flood.
  - (g) List out some causes of unsustainable development.
  - (h) Write the importance of wildlife protection act.
  - (i) Write short notes on HIV/AIDS.
  - (j) Give the role of information technology in environment.

**PART – B**

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

**UNIT – I**

- 2 What are renewable and non renewable resources? Explain the same with suitable examples. Also, highlight the associated problems with those natural resources.
- OR**
- 3 Write in detail about effects of modern agriculture, fertilizer-pesticide problems, water logging and salinity problems. Discuss the solutions to the above problems.

**UNIT – II**

- 4 (a) Illustrate about structure and function of an eco-system.  
(b) Explain about food chains, food webs and ecological pyramids.
- OR**
- 5 (a) Briefly discuss the values of bio-diversity.  
(b) Explain the bio-geographical classification of India.

**UNIT – III**

- 6 What are the causes of air pollution? What are its effects? Explain.
- OR**
- 7 (a) How to control the marine pollution? Explain in detail.  
(b) What are the effects due to soil pollution? Explain.

**UNIT – IV**

- 8 Write short notes on:
- (a) Climatic change.
  - (b) Ozone layer depletion.

**OR**

- 9 Explain in detail about the prevention and control measures of water pollution.

**UNIT – V**

- 10 What is meant by population explosion and write control measures about the same.

**OR**

- 11 Explain in detail about the women and child welfare act.