

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

**ENVIRONMENTAL STUDIES**

(Electronics and Communication Engineering)

Time: 3 hours

Max. Marks: 70

**PART – A**  
(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What are renewable and non renewable energy resources? Give examples.
  - (b) State the reasons for overexploitation of forests.
  - (c) Give flow chart on energy flow in ecosystem.
  - (d) What are the significance of food chain and food web?
  - (e) What is thermal pollution?
  - (f) Mention the sources of solid waste.
  - (g) List few causes of ozone layer depletion.
  - (h) Write the salient features of Forest Conservation Act' 1980.
  - (i) What are the objectives of family welfare program in India?
  - (j) What is meant by doubling time? What is the doubling time for India?

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

**UNIT – I**

- 2 Explain the environmental damages caused by mining activities.

**OR**

- 3 Discuss the impact of modern agriculture on the environment.

**UNIT – II**

- 4 Explain food chain, food web and ecological pyramids with suitable examples and diagrams.

**OR**

- 5 How would you justify 'India as a mega diversity nation'?

**UNIT – III**

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

**OR**

- 7 (a) Discuss various sources of thermal pollution.  
(b) How can we prevent pollution of oceans?

**UNIT – IV**

- 8 Describe the various measures to conserve water.

**OR**

- 9 Population, Consumerism and Waste production are interrelated- Comment.

**UNIT – V**

- 10 What is Universal Declaration of Human Rights (UDHR) and what are its significance? Name any three organizations that promote UDHR.

**OR**

- 11 Give a detailed account on women and child welfare in India.

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