

ENVIRONMENTAL STUDIES

(Common to CE, EEE & CSE)

Time: 3 hours

Max. Marks: 70

PART - A

(Compulsory Question)

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

Write short notes on the following:

- (a) Eutrophication.
- (b) Biogas.
- (c) Oligotrophic lakes.
- (d) Endangered.
- (e) Saprotrophs.
- (f) Chernobyl nuclear disaster.
- (g) BOD.
- (h) Acid rain.
- (i) TFR.
- (j) GIS.

PART - B

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

UNIT - I

- 2 (a) What are the major causes and consequences of deforestation?
- (b) What is soil erosion? How can it be checked?

OR

- 3 (a) What is over grazing and its effect on environmental degradation?
- (b) Write the scope of environmental studies.

UNIT - II

- 4 (a) What is ecological succession? Discuss the process of ecological succession in a Xerosere.
- (b) Explain about Ecological pyramids.

OR

- 5 Write short notes on: (a) Hotspots of biodiversity. (b) Values of biodiversity.

UNIT - III

- 6 Give an account on the sources, effects and control of air pollution. Briefly explain Bhopal gas tragedy.

OR

- 7 Write short notes on: (a) Ground water pollution by arsenic and fluoride. (b) Solid waste management.

UNIT - IV

- 8 Discuss the salient features of: (a) Wildlife (protection) act. (b) Forest (conservation act).

OR

- 9 (a) What is watershed? Discuss the objectives and practices of watershed management.
- (b) What are the major impacts of acid rain and how can we control it?

UNIT - V

- 10 (a) What is population explosion? Discuss the Indian scenario.
- (b) What are the objectives of value education? How can the same be achieved?

- 11 How can age structure pyramids serve as useful tools for predicting population growth trends of a nation? Explain with examples.
