

ENVIRONMENTAL SCIENCE

(Common to CE, ME, ECE and EIE)

Max. Marks: 70

Time: 3 hours

PART – A

(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) Name any two institutions from India that are working towards environmental protection in our country.
 - (b) Give any two examples for natural non-renewable resources.
 - (c) Name any two types of ecosystem.
 - (d) Name two national hot spots of biodiversity that are globally accepted.
 - (e) Give the decibel level of the following common sounds: threshold of hearing, threshold of pain.
 - (f) Write the full form the following abbreviations in respect of solid waste management: MSW, IPM.
 - (g) Give the classification of the wastelands.
 - (h) 3Rs principle is the new concept in waste management. What for the 3Rs stand?
 - (i) Give the two permanent methods of sterilization which are done by a minor surgery and advocated by India's family welfare program (FWP).
 - (j) What are the first two points of the proforma for yield work on documenting environmental assets of any ecosystem?

PART – B

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

UNIT – I

- 2 Give the definition, scope and importance of environmental studies.
OR
- 3 Discuss the environmental impact of using oil and coal for producing electricity.

UNIT – II

- 4 Derive the five cycles which are responsible for energy flow in any ecosystem.
OR
- 5 Discuss in-situ and ex-situ conservation of biodiversity.

UNIT – III

- 6 Define air pollution. Give causes, effects and measures of air pollution.
OR
- 7 What are hazardous wastes? Give its characteristics, problems and health risks.

UNIT – IV

- 8 Write a note on acid rain and ozone layer depletion.
OR
- 9 Discuss the powers and functions of central and state pollution control board.

UNIT – V

- 10 Write a note about intellectual property rights (IPRs) and community biodiversity registers (CBRs).
OR
- 11 Discuss the importance of documenting the nature of an ecosystem. Give the guidelines for study of environmental assets.
