

FACULTY OF ENGINEERING

B.E. 2/4 (Civil/ECE/CSE/AE) II – Semester (Main) Examination, June 2014

Subject : Environmental Studies

Time : 3 hours

Max. Marks : 75

Note: Answer all questions from Part-A. Answer any FIVE questions from Part-B.

PART – A (25 Marks)

- 1 What is hydrological cycle?
- 2 Mention the problems associated with the use of organochlorinous pesticides.
- 3 Mention few reasons for land degradation.
- 4 What is meant by foodweb?
- 5 Mention hotspots of biodiversity in India.
- 6 Define noise pollution.
- 7 What are the causes of floods?
- 8 What is greenhouse effect?
- 9 Mention few water conservation measures.
- 10 Define the term environment.

PART – B (5 x 10 = 50 Marks)

- 11 a) What is the need for environmental education?
b) Distinguish between renewable and non-renewable energy resources.
- 12 a) Explain the structure of an ecosystem.
b) What are ecological pyramids? Why are energy pyramids always upright?
- 13 a) Explain the ex-situ and in-situ methods of conservation of biodiversity.
b) Enumerate and explain in detail the values of biodiversity.
- 14 a) Write the salient features of the The water (prevention and control of pollution) Act, 1974.
b) What are the causes and effects of air pollution?
- 15 a) Write the impacts of disaster on environment.
b) What is the relation between population and pollution?
- 16 Write short notes on :
 - a) Ozone layer depletion
 - b) Watershed management
- 17 Write short notes on the following :
 - a) “Nature is for man’s needs and not for his greed”.
 - b) Population explosion
