

FACULTY OF ENGINEERING**B.E. 2/4 (EE/Inst./MP/IT) I - Semester (Main) Examination, November / December 2016****Subject : Environmental Studies****Time : 3 Hours****Max. Marks: 75****Note: Answer all questions from Part-A and answer any five questions from Part-B.****PART – A (25 Marks)**

- 1 Define the terms famine and desertification. (2)
- 2 What are renewable and non-renewable resources? (2)
- 3 Explain biogeochemical cycle. (2)
- 4 What are food webs and food chains? (2)
- 5 List the biogeographic zones in India. (2)
- 6 Define the terms endangered and vulnerable species. (3)
- 7 Write short notes on indoor air pollution. (3)
- 8 Explain the causes of noise pollution. (3)
- 9 What are the different types of disasters? (3)
- 10 State the effects of ozone layer depletion. (3)

PART – B (50 Marks)

- 11 (a) Define soil erosion. Describe the various methods to control it. (5)
(b) Describe briefly the benefits and problems of the construction of dams. (5)
- 12 (a) Describe the characteristic features of marine ecosystem. (5)
(b) Explain the various types of ecological pyramids. (5)
- 13 (a) Discuss in detail the causes responsible for the extinction of species. (5)
(b) Explain briefly the different strategies for the conservation of biodiversity. (5)
- 14 (a) Discuss the various causes and effects of water pollution. (5)
(b) Write the salient features of air (prevention and control of pollution) act 1981. (5)
- 15 (a) Discuss the various causes, effects and remedial measures of acid rain. (5)
(b) Write the measures to be taken to mitigate earthquake disaster. (5)
- 16 (a) Discuss in detail any river water dispute of India. (5)
(b) Describe the causes and types of ecological succession. (5)
- 17 (a) Write short notes on the following methods of solid waste disposal. (5)
(i) incineration
(ii) Composting
(b) Describe in detail the impact of disaster on environment and infrastructure. (5)
