Code No. : 3258

FACULTY OF ENGINEERING AND INFORMATICS
B.E. 2/4 (E & EE/Inst./IT) I Semester (Main) Examination, December 2010
ENVIRONMENTAL STUDIES

Time : 3 Hours] [Max. Marks : 75

*Note : 1) Answer **all** questions from Part – A.*

*2) Answer **any five** questions from Part – **B**.*

PART – A **(25 Marks)**

1. State different resources of energy. 2
2. State the functions of an ecosystem. 2
3. Write short note on photo-chemical smug. 3
4. Define hazardous wastes. 2
5. State different types of air pollution control equipment. 3
6. Enumerate the Institutions in India that are working for environmental awareness activities. 3
7. Briefly explain the carbon energy cycle with a neat sketch. 3
8. State how the aquatic eco systems can be conserved. 3
9. Define the ecological pyramid. 2
10. State the significance of ethical values for conservation of our environmental resources. 2

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PART – B (50 Marks)

11. a) What are the components of an ecosystem ? Describe different biotic components of an ecosystem and their interaction. 6

b) How can you state that India as a Mega-Diversity Nation ? 4

12. a) Explain producers, consumers and decomposes of an ecosystem. 5

b) Explain pond ecosystem and seashore ecosystem. 5

13. a) Write biographical classification of India. 4

b) Describe sources of water pollution and pathway of toxic chemicals to the environment. 6

14. a) Describe the legal provisions in India for the control of noise pollutions. 5

b) Describe the basic principles and practices of neuclear and bio-medical waste management of India. 5

15. a) Write the scope of Environmental Audit for disaster management. 4

b) How can be hazardous chemicals stored and transported ? Give a brief account of safety measures. 6

16. a) How green belt and plantation in industrial establishment helps in controlling air pollution ? How green belt should be planned ? 5

b) Write salient features of the Wild Life Protection Act. 5

17. Write short notes on **any two** of the following : 10

a) Environment Impact Assessment

b) Watershed management

c) Soil degradation and its pollution.