

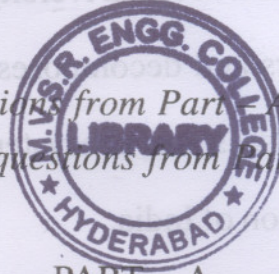


FACULTY OF ENGINEERING AND INFORMATICS
B.E. 2/4 (E & EE/Inst./IT) I Semester (Main) Examination, December 2010
ENVIRONMENTAL STUDIES

Time : 3 Hours]

[Max. Marks : 75

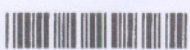
- Note :* 1) Answer all questions from Part - A.
2) Answer any five questions from Part - B.



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



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 decomposers of an ecosystem. 5
- b) Explain pond ecosystem and sea shore 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 nuclear 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.