



Code No. : 6018

FACULTY OF ENGINEERING
B.E. 2/4 (C/ECE/M/P/CSE) II Sem. (Main) Examination, June 2010
ENVIRONMENTAL STUDIES

Time : 3 Hours]

[Max. Marks : 75

Note : 1) Answer all questions of Part – A.

2) Answer five questions from Part – B.

PART – A

(10×2.5=25)

1. Differentiate between evergreen and deciduous forest ecosystems.
2. State the characteristics of estuaries.
3. Write a note on non-renewable energy resources.
4. State the significance of decomposers in environmental sustainability.
5. State the biogeographical zones of India.
6. Enumerate various treatment processes for control of gaseous contaminants.
7. List out the methods for removal of dissolved inorganic impurities from waste water.
8. State the effects on demographic structure due to population explosion.
9. Write the basic approach of environmental management system.
10. State the efforts taken for meeting the challenges of global climate change.

PART – B

(5×10=50)

11. a) Define deforestation. Explain the causes of deforestation. Discuss the ill-effects of deforestation. **5**
- b) What are the benefits and problems associated with construction of large dams ? **5**
12. a) Write how the food and energy needs satisfy in a pond ecosystem. **5**
- b) What are the Biotic and Abiotic components ? **5**



13. a) Write bio-geographical classification of India and discuss threats to bio-diversity. 5
b) Explain in detail the genetic bio-diversity and species diversity. 5
14. a) Explain any one method of water purification for drinking purpose. 5
b) List out some harmful pollutants of soil and their effects on crops and human beings. 5
15. a) Write and explain the salient features of Wild Life Protection Act of the Indian Constitution. 5
b) Discuss the importance of ozone layer and explain the possible consequences of depletion of ozone layer. 5
16. Name few social issues related to the global environment and explain all of them with respect to origin, effects, remedies and control measures with a special reference to the sub-continent. 10
17. Write short note on **any three** of the following : 10
- a) The carbon cycle in the ecosystem
 - b) Ethics related to Environmental sustainability
 - c) Enforcement of environmental legislation
 - d) Disaster management in India.