

ENVIRONMENTAL STUDIES

**(Common to Civil Engineering, Electrical and Electronics Engineering
and Mechanical Engineering)**

Time: 3 Hours**Max. Marks: 60**

Note: All Questions from **PART-A** are to be answered at one place.

Answer any **FOUR** questions from **Part-B**.

PART-A**6 x 2 = 12M**

- 1) Define ecosystem ?
- 2) What is Eutrophication ?
- 3) What is meant by In-situ conservation of biodiversity ?
- 4) Define the term environmental impact assessment ?
- 5) What is carbon trading ?
- 6) What are the green house gases ?

PART-B**4 X 12 = 48 M**

1. a) Explain about the multidisciplinary nature of environmental studies. **6M**
b) What are the typical characteristics of forest land ecosystem ? **6M**
2. a) Should we build big dams ? Give arguments in favour of your answer for construction of big dams. **6M**
b) Discuss about the problems associated with the usage of chemical fertilizers and pesticides in agriculture. **6M**
3. a) Explain why India called as mega diversity nation ? **6M**
b) What are the major causes of wild life conflicts? Add a note on remedial steps? **6M**

4. a) Discuss the various causes, effects and control measures of water pollution. **8M**
b) What is indoor air pollution ? What are the effects of indoor air pollution ? **4M**
5. a) Write about recycle, reuse and reduce concepts used in solid waste management. **4M**
b) Explain the management methods for hazardous waste, e-waste and municipal solid waste? **8M**
6. a) What is meant by Ozone shield ? How CFCs and Ozone deflecting substances affect Ozone shield ? **6M**
b) Write about the salient features of Environmental Protection Act. **6M**
