



Code No. : 6023/S

**FACULTY OF ENGINEERING**  
**B.E. 2/4 (EE/Inst. (M/P)/ IT) I Sem. (Suppl.) Examination, July 2014**  
**ENVIRONMENTAL STUDIES**

Time : 3 Hours]

[Max. Marks : 75

**Note** : Answer **all** questions from Part – **A** and **any five** questions from Part – **B**.

PART – A

- |   |   |
|---|---|
| 1. What are the major uses of forests ?                       | 3 |
| 2. What are the environmental impacts of mineral extraction ? | 3 |
| 3. What are ecological pyramids ?                             | 2 |
| 4. Define the study of ecosystems.                            | 2 |
| 5. Define primary production in an ecosystem.                 | 2 |
| 6. What is species diversity ?                                | 3 |
| 7. What are endemic species ? Explain with examples.          | 2 |
| 8. Give a list of major sources of surface water pollution.   | 3 |
| 9. Why do landslides occur ?                                  | 2 |
| 10. Differentiate between climate and weather.                | 3 |

PART – B

- |   |    |
|---|----|
| 11. a) Discuss droughts and floods with respect to their occurrence and impact.                                   | 5  |
| b) What is the impact of excessive usage of pesticides and fertilizers ?  | 5  |
| 12. a) Define and explain the terms producers, consumers, decomposers and detritivores.                           | 5  |
| b) What are the important areas where human activities can influence the ozone layer ?                            | 5  |
| 13. With the help of a neat figure explain the functioning and different zones in a lake ecosystem.               | 10 |
| 14. a) What are hotspots of biodiversity ?  | 5  |
| b) What are the major threats to biodiversity ?   | 5  |
| 15. a) Describe the sources, effects and control of noise pollution.  | 5  |
| b) Explain any one control device used for air pollution.   | 5  |
| 16. What are the sources of soil pollution, its effect on productivity and measures to be adopted to prevent it ? | 10 |
| 17. Write short notes on :  |    |
| i) Earthquakes  | 3  |
| ii) Solid Waste Management  | 3  |
| iii) Wildlife Protection Act.   | 4  |