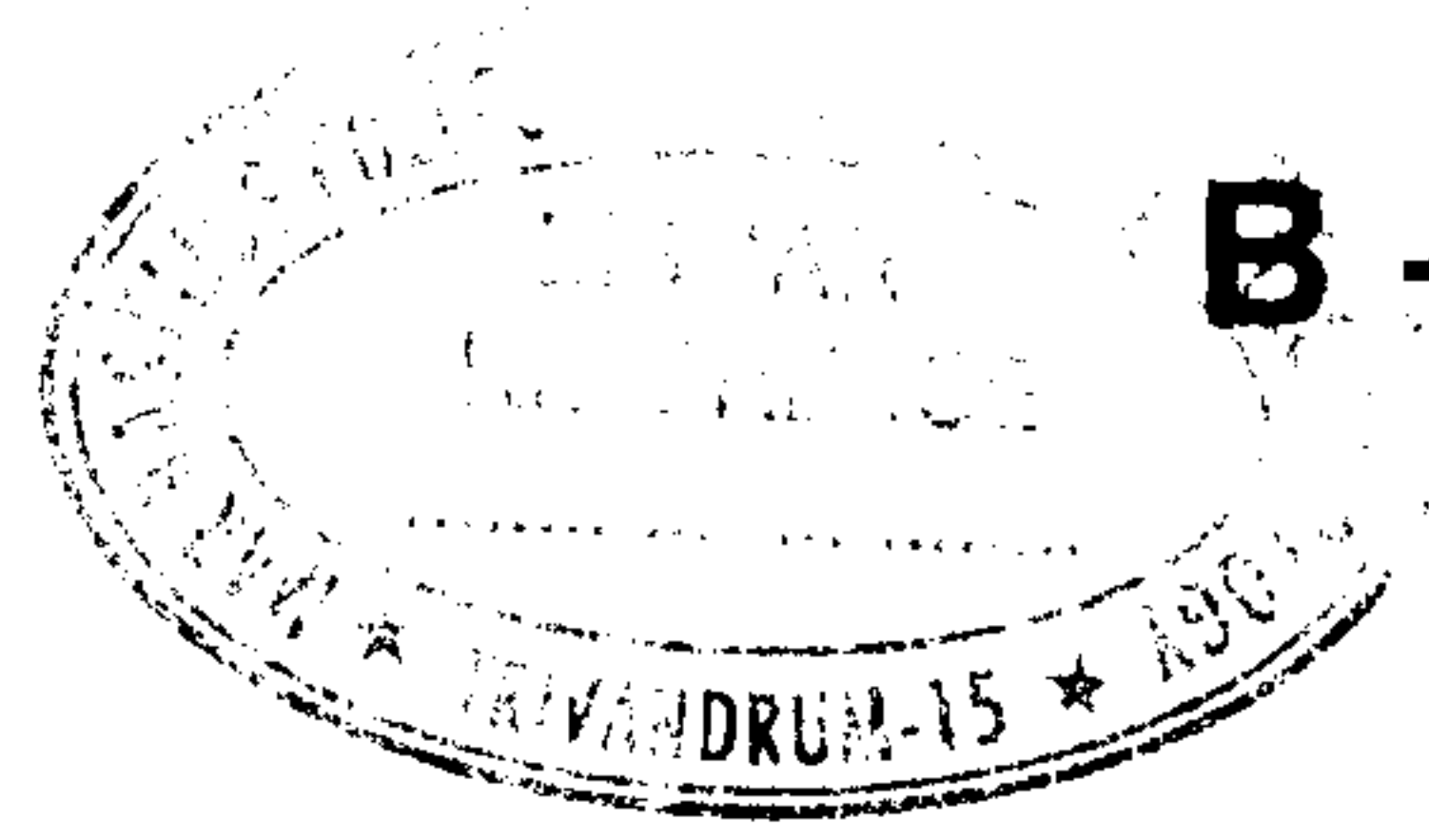




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**B – 3429**

Reg. No. : .....

Name : .....

**Seventh Semester B.Tech. Degree Examination, December 2016  
(2013 Scheme)  
13.704.11 : ENVIRONMENTAL SCIENCE AND MANAGEMENT (C)  
(Elective – I)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions. **Each** question carries **4** marks.

1. Write the causes for ozone layer depletion.
2. Explain the types of pyramids.
3. Write the importance of air quality standard.
4. Write the need for water conservation.
5. Write short note on endangered and endemic species in India.

**PART – B**

Answer **any one full** question from **each** Module. **Each** question carries **20** marks.

**MODULE – I**

6. a) What are the causes for land degradation ? Write the steps to be taken to reduce land degradation. **12**
  - b) Write the importance of conservation of natural resources. **8**
- OR**
7. a) Write the causes and effects of ozone layer depletion. **10**
  - b) Explain any two renewable energy resources with their advantages. **10**

P.T.O.



MODULE – II

8. a) Explain the structure of an ecosystem. 10  
b) With neat sketch explain the salient features of phosphorous and sulphur cycle. 10

OR

9. a) Explain the importance of sustainable use of natural resources. 10  
b) Write short note on the following : 10  
i) Food chain  
ii) Energy flow in an ecosystem.

MODULE – III

10. a) Write the effects of air pollution on human beings. 10  
b) Enumerate the effects of population explosion. 10

OR

11. a) Explain the physical characteristics of water and their significance. 10  
b) Write short note on the following : 10  
i) Consumerism and waste products.  
ii) Sources and classification of solid waste.

MODULE – IV

12. Explain the application of modern technologies like remote sensing and GIS in environmental management. 20

OR

13. a) Discuss the resource consumption patterns and the need for their equitable utilization. 15  
b) Write the advantages of water conservation. 5

