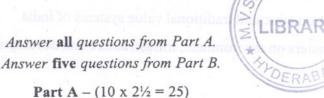
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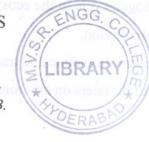
## **FACULTY OF ENGINEERING**

## B.E. II/IV Year (CE/ECE/M/P/CSE & Automobile Engg.) II Semester (Main) Examination. May/June 2011

## **ENVIRONMENTAL STUDIES**

Time: 3 Hours]





[Max. Marks: 75

- Differentiate between Bio-sphere and ecosystem.
- Discuss the concept of "Endangered Species".
- Mention the causes of soil erosion.
- Enumerate various methods of water conservation.
- State the benefits of biodiversity.
- Write the function of Pollution Control Board.
- Briefly explain the necessity of watershed management.
- Write effects of population explosion on sustainable ecosystem.
- 9. List out a few air-pollution control monitoring equipment.
- 10. Briefly describe legal provisions in India for management of Disasters.

## Part B – $(5 \times 10 = 50 \text{ marks})$

- 11. (a) Write the measures to be taken to prevent depletion of ground water resources. 5 (b) Discuss the growing energy needs of our country. Critically examine the sun energy option. 5 12. (a) Write how the energy and food needs satisfy in a river ecosystem. 5 (b) Discuss the significance of food chains, food webs and Food pyramids to maintain balanced ecosystem. 5 5 13. (a) Explain the hierarchical levels of biodiversity. (b) Write endangered and endemic species of India. 5 14. (a) Give an account of how himan interactions are responsible for environmental degradation. 5
- - (b) Explain the schematic treatment as a control of air pollution from any chemical industry.
- 15. (a) Write and explain the salient features of Forest Conservation Act of the Indian Constitution.
  - (b) Classify solid waste. Write the adverse effects of solid waste. State how can the solid waste be managed.

5

5

Imapet of disasters on environment, infrastructure and development.

Write the ethical basis of environment education and awareness.

3018