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## VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD B.E. II (E.C.E) & III (Mech) Year I-Semester Supplementary Examinations, May/June-2017

## **Environmental Studies**

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B Part-A (10 × 2 = 20 Marks)

- 1. Define Deforestation.
- 2. List out the causes of land degradation.
- 3. Explain briefly about food web.
- 4. What is ecological succession?
- 5. What are consumptive and non consumptive use values of biodiversity?
- 6. Define the terms of species and genetic diversity.
- 7. Define pollution and Pollutants.
- 8. What are control measures of noise pollution?
- 9. Mention effects of acid rains.
- 10. Write the impact of disasters on environment.

## Part-B ( $5 \times 10 = 50$ Marks) (All bits carry equal marks)

- 11. a) Explain in detail the causes and remedial measures of water logging and salinity.
  - b) What is a river water dispute? Explain any one river water dispute in detail.
- 12. a) Describe producers, consumers and decomposers in an ecosystem.
  - b) What is ecological pyramid? Explain various types of ecological pyramids.
- 13. a) Define Biodiversity and explain causes for the extinction of species.
  - b) Define vulnerable, threatened, exotic and rare species.
- 14. a) What do you mean by thermal pollution? Explain the effects of thermal pollution.
  - b) Define solid waste management. Explain three methods of solid waste management.
- 15. a) Write a detail note on watershed management and water conservation.
  - b) Explain the management plans to mitigate the flood sand earthquake disasters.
- 16. a) Define soil. Explain various types of soils available in India.
  - b) Describe the characteristic features of Pond ecosystem.
- 17. Write short notes on any two of the following:
  - a) Endangered and endemic spices of India.
  - b) Effects of water pollution.
  - c) Population explosion and its effects on environment.

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