Hall Ticket Number:

Code No.: 31406 S

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 × 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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