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Code No.: 22012 AS

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
B.E. II Year II-Semester Advanced Supplementary Examinations, June/July-2017

Environmental Studies
(Civil Engg., C.S.E., E.E.E. & I.T.)

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 soil erosion.
2. List any two natural resources which are effecting the environment.
3. Define the terms producers and consumers in an ecosystem.
4. Write short notes on Estuary.
5. What is vulnerable and exotic species?
6. Write about ex-situ conservation of biodiversity.
7. Define necrosis and epinasty.
8. List the various water borne diseases.
9. Explain water conservation and watershed management.
10. What is meant by disaster? Give three examples.

Part-B (5 × 10 = 50 Marks)

11. a) Discuss in detail one case study of river water dispute. [5]
b) Explain various effects of agrochemicals on the environment. [5]
12. a) Describe aquatic ecosystem. Discuss the characteristic features of pond ecosystem. [7]
b) Explain bio-geochemical cycle in an ecosystem with neat sketch. [3]
13. a) Discuss the various types of values that are assigned to biodiversity. [5]
b) Explain the various causes of extinction of species. [5]
14. a) How do you mitigate air pollution? [4]
b) Explain various methods to dispose solid waste. [6]
15. a) What is global warming? Explain its impact and suggest some controlling measures. [5]
b) What is an earthquake? Discuss the methods to be taken to mitigate this disaster. [5]
16. a) Define land degradation and desertification. [4]
b) Describe food web and food chain in an ecosystem. [6]
17. Write short notes on any *two* of the following: [10]
 - a) Endangered and endemic species of India.
 - b) Salient features of Air act 1981.
 - c) Acid rain.

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