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Code No.: 22017

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD

B.E. II-Year II-Semester Main & Backlog Examinations, May-2017

Environmental Studies
(CIVIL, CSE, EEE & IT)

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. What is desertification?
2. List out the causes of floods.
3. Define food web and food chain.
4. What is ecological succession?
5. Differentiate in-situ and ex-situ conservation of biodiversity.
6. What are endemic species? Give some examples.
7. Define primary and secondary pollutants in air pollution with some examples.
8. Give some salient features of forest conservation act.
9. Write the effects of ozone layer depletion.
10. Mention the effects of population explosion.

Part-B (5 × 10 = 50 Marks)

11. a) Explain in detail one river water dispute in India. [5]
b) What is the negative impact of modern agriculture on the environment? Explain. [5]
12. a) Describe the salient features of pond ecosystem. [5]
b) Explain the structure and function of an ecosystem. [5]
13. a) Discuss elaborately various hot spots of biodiversity in India. [5]
b) Describe briefly the values of biodiversity. [5]
14. a) Explain various methods to control air pollution. [4]
b) What are the various methods of disposal of solid waste? Explain them. [6]
15. a) Describe elaborately the causes, effects and control measures of global warming. [5]
b) Explain mitigation and management plans for earthquakes and floods. [5]
16. a) What are the benefits and problems associated with dam construction? [5]
b) Discuss on various types of ecological pyramids. [5]
17. Write short notes on the *two* of the following:
a) Threats to biodiversity. [5]
b) Effects and control measures of noise pollution. [5]
c) Acid rain. [5]
