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Code No. : 13302

VASAVI COLLEGE OF ENGINEERING (Autonomous), HYDERABAD
B.E. (CBCS) III-Semester Main Examinations, December-2017

Environmental Science
(Common to EEE, ECE & 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. Differentiate renewable and non-renewable energy resources.
2. Explain the consequences of drought.
3. Explain the words producers and consumers.
4. What is the role of saprophytes on earth?
5. Write about the species and ecosystem biodiversity.
6. Differentiate endemic and endangered species.
7. State various sources of air pollutants.
8. What is Eutrophication?
9. Mention important greenhouse gases.
10. What is the relationship between population and pollution?

Part-B (5 × 10 = 50 Marks)

11. a) Explain the background for inclusion of environmental studies as a subject at degree level. [4]
b) Discuss the effects of modern agriculture on environment [6]
12. a) What is ecological pyramid? Mention distinct types. Explain with neat sketches. [6]
b) Write about the salient features of marine ecosystem. [4]
13. a) Write a detailed note on in-situ and ex-situ conservation of biodiversity. [6]
b) Discuss about the indirect values of biodiversity. [4]
14. a) Describe the common treatment and disposal methods of solid waste. [6]
b) Explain the effects of air pollution on plants, animals and human beings. [4]
15. a) Discuss the various methods of water conservation. [5]
b) Discuss the causes, effects and control measures of acid rain. [5]
16. a) Explain any one river water dispute in India. [6]
b) Define food chain. Explain various types of food chain along with examples. [4]
17. Answer any *two* of the following:
a) Threats to biodiversity. [5]
b) e-waste management. [5]
c) Causes and effects of Ozone layer depletion. [5]