

Hall Ticket Number:

--	--	--	--	--	--	--	--	--	--	--

Code No. : 13302 O

VASAVI COLLEGE OF ENGINEERING (*Autonomous*), HYDERABAD
B.E. (ECE) II Year I-Semester Backlog (Old) Examinations, December-2017

Environmental Studies

Time: 3 hours

Max. Marks: 70

Note: Answer ALL questions in Part-A and any FIVE from Part-B

Part-A ($10 \times 2 = 20$ Marks)

1. Define the term environment and explain.
2. Mention impacts of modern agriculture.
3. What is a food web and food chain?
4. Write briefly about saprophytes.
5. Elaborate the term: genetic biodiversity.
6. Define endemic and endangered species.
7. Define the term environmental pollution and causes thereof.
8. How thermal pollution occur? Mention its effects.
9. Write the methods of water conservation in agriculture.
10. Mention important steps in Environmental Impact Assessment study.

Part-B ($5 \times 10 = 50$ Marks)

11. a) Define the term-Flood. Mention the root causes and effects of floods. [5]
b) Write a note on soil erosion indicating the types and remedial measures. [5]
12. a) Define ecosystem. Discuss the structure and function of an ecosystem. [6]
b) Write about pond ecosystem with neat sketches. [4]
13. a) Discuss the different methods of conservation of biodiversity. [5]
b) Explain the various threats to biodiversity. [5]
14. a) What are the various causes and effects of water pollution? [6]
b) Write a detailed note on composting. [4]
15. a) What is acid rain? Mention the sources of acid rain, its impacts on environment. [4]
b) Discuss the causes and effects on Ozone layer depletion. [6]
16. a) Discuss in details the benefits and problems of dams. [5]
b) What is ecological pyramid? Explain its types. [5]
17. Answer any *two* of the following:
a) Values of biodiversity. [5]
b) Causes and effects of noise pollution. [5]
c) Climate change. [5]