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Total No. of Pages : 02

Total No. of Questions : 07

BCA (Sem.-1)
ENVIRONMENTAL SCIENCE AND SUSTAINABILITY

Subject Code : UGVAC2501

M.Code : 95417

Date of Examination : 06-01-2026

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

SECTION - A

1. Write briefly :

- a) What is Desertification?
- b) What are the different methods of conserving water resources?
- c) What is meant by biodiversity?
- d) What are coral reefs?
- e) What are the various causes of Man-Wildlife conflicts?
- f) How are pollutants classified based on nature?
- g) List various sources of noise pollution.
- h) Mention the causes of acid rain.
- i) What is ozone hole? What are the causes of ozone hole formation?
- j) What are the various objectives of sustainable development?

SECTION - B

2. a) Name and discuss major world food problems.
b) Explain causes of soil erosion and enumerate the methods of prevention of soil erosion.
3. Enumerate various functional features of an ecosystem.
4. Explain 'In-Situ' and 'Ex-Situ' approaches of conservation of biodiversity. Compare their advantages and limitations.
5. Define Marine pollution and thermal pollution and discuss the various sources contributing it. How can we prevent pollution of our oceans?
6. Why do earthquakes occur? Suggest the management plan for mitigate the effects of earthquake. Explain the case of any earthquake that occurred in India.
7. Discuss salient features of the Water (Prevention and control of pollution) Act, 1974. Also, describe various functions of Central board and State board.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.