

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Agriculture) (Sem.-3)

ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT

Subject Code : BSAG-307-19

M.Code : 78662

Date of Examination : 02-01-2023

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 FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. Write briefly :

- a) List the four interrelated spheres of the environment.
- b) Define desertification.
- c) What is meant by Biodiversity? How is it important in environmental conservation?
- d) What is adaptability?
- e) List any four effects of thermal pollution.
- f) What is meant by environmental ethics?
- g) Differentiate between Composting and Vermicomposting.
- h) How is noise pollution measured?
- i) Explain the consequences of population growth on food resources.
- j) List any four environmental acts/laws in India.

SECTION-B

2. Discuss the various water pollution control and water conservation measures that can be practiced in your campus.
3. What are various renewable energy options? Explain why their use is important?
4. What is sustainable development? How can this concept practised in agriculture?
5. Discuss the importance of Value education and public awareness in environmental management.
6. Explain the role of information technology in environment and human health. Give specific examples.

SECTION-C

7. Sketch and explain the concept of ecological pyramid. Discuss role of producers, consumers and decomposers in a grass land ecosystem.
8. Discuss the causes and effects of Global warming. Also, indicate the policy initiatives at national and international level to curb the global climate change.
9. Differentiate with examples Natural and man-made disasters. Describe the Indian National Framework of Disaster Management. Discuss the mitigation measures in respect of (a) Flood (b) Rail Accident.

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