

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Non Medical) (Sem.-3)

ENVIRONMENT SCIENCE

Subject Code : BSNM-309-18

M.Code : 76909

Date of Examination : 16-12-22

Time : 3 Hrs.

Max. Marks : 50

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **ONE** mark 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) Explain the significance of ‘interaction of systems’ in environmental studies.
- b) What is an ecological pyramid?
- c) Define biodiversity hot spots.
- d) What is soil erosion? How is it checked?
- e) How does the phenomenon of ‘Eutrophication’ occur?
- f) What is meant by thermal pollution?
- g) List the mitigation measures of natural disasters.
- h) What is meant by Urban Heat Island?
- i) Why is value education important in environmental management?
- j) What is meant by acid rain?

SECTION-B

2. How does soil pollution differ from water pollution in effects and control?
3. What is meant by waste land reclamation? Discuss the possible methodology.
4. Consider the Hydrological Cycle and establish water as a natural resource.
5. “Population, *consumerism and pollution are interrelated*”. Comment.
6. Explain the phenomenon of Global warming? What are its major causes?

SECTION-C

7. “*The implementation of environmental laws is yet to mature in India*”. Comment on the statement pointing out the problems in implementing the various environmental laws.
8. **Write notes on**
 - a) Ozone depletion
 - b) Non-conventional sources of energy.
9. **Critically evaluate**
 - a) The National policy/efforts to control AIDS/HIV and its implementation.
 - b) Role of information technology in environmental conservation.

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.