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Total No. of Questions: [09]

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B.Sc. (Forensic Science) (Semester – 1st)
ENVIRONMENTAL SCIENCE
Subject Code: BHFSS1103
Paper ID: [21132203]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A **(2 marks each)**

Q1. Attempt the following:

- a) Define Biomagnification.
- b) UNDP and IPCC stand for?
- c) Name the diseases caused by high intake of cadmium and mercury in humans?
- d) Define pesticides?
- e) What are secondary air pollutants? Give examples.
- f) Differentiate between communicable and non-communicable diseases?
- g) What are ecotones?
- h) Define habitat and niche in ecological terms?
- i) Define the term “Heavy Metals”.
- j) What is COD in waste water? How is it different from BOD?

Section – B **(5 marks each)**

Q2. Define atmosphere. What are its different layers? Discuss each in detail.

Q3. What are causes of biodiversity loss? Discuss in detail.

Q4. Write a detailed note on acid rain formation? How is it harmful to nature?

Q5. What are various water borne diseases? Discuss any one in detail.

Q6. Write a detailed note on the Chipko movement?

Section – C **(10 marks each)**

Q7. What are ecological pyramids? Discuss the various types of ecological pyramids with suitable examples?

Q8. What is desertification and its causes? How to combat desertification?

Q9. What is IUCN role in environment protection? Discuss its objectives and policies?