

B.Sc. (MLS) (Semester – 2nd)
ENVIRONMENTAL SCIENCE
Subject Code: BMLS1213
Paper ID: 130510

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 with examples biotic and abiotic components of ecosystem.
- b) Write down the functions of ecosystems.
- c) Enlist the names of Biological Hot Spot of India.
- d) Make a flow diagram of sulphur cycle in nature.
- e) What is Shifting Cultivation?
- f) Explain the process of Eutrophication.
- g) What measures can be taken to minimize the incidence of skin cancer?
- h) What is heavy metal toxicity?
- i) Define Noise Pollution.
- j) Define the term Sustainable Development.

Section – B **(5 marks each)**

- Q2. What are ecological pyramids? Discuss energy flow in ecological system.
- Q3. Define wasteland. Discuss the causes of its formation.
- Q4. Explain the following problems associated with the ground and surface water.
 - a) Ground Water Depletion
 - b) Water Logging
- Q5. Define Solid waste. What are different methods of solid waste management? Discuss
- Q6. Explain the concept of toxins, toxicity and Toxicology. Discuss classification of toxic compounds.

Section – C **(10 marks each)**

- Q7. Write short notes and make flowchart/sketch on
 - a) Nitrogen cycle in nature
 - b) Hydrological cycle
- Q8. (a) What are the causes of groundwater pollution? Discuss in Details?
 - (b) Discuss the various conservation methods to reduce soil erosion.
- Q9. (a) What are air pollutants? Discuss primary and secondary pollutants with their examples?
Also discuss control measures of air pollution?
 - (b) Explain industrial toxicology and its relationship with occupation and hygiene?