Roll No…….. **Total No. of Printed Pages: 1**
Total No. of Questions: [09]

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?