

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2011 to 2017) (Sem.-1)

**ESSENTIAL BIOLOGY**

Subject Code : BMLS-101

Paper ID : [D1107]

Time : 3 Hrs.

Max. Marks : 60

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

**SECTION-A****Q1 Write a note on :**

- a) Ecosystem
- b) Prokaryotic cells
- c) Decomposers
- d) Evolution of life
- e) Hydrosphere
- f) Endangered species
- g) Renewable resources
- h) RNA synthesis in prokaryotes
- i) Epithelial tissue.
- j) Amino acids

### SECTION-B

- Q2 Write a note on atmosphere.
- Q3 What is greenhouse effect and what is its ill effect on people?
- Q4 State four human activities which have endangered the lives of wild animals and caused biodiversity loss.
- Q5 Differentiate between Aquatic ecosystem and Terrestrial ecosystem.
- Q6 Describe the modification and processing of heterogeneous nuclear RNA (hn RNA) into a functional messenger RNA, in eukaryotes.

### SECTION-C

- Q7 Describe the various consequences of water pollution.
- Q8 Briefly explain five kingdom systems.
- Q9 Draw an ecological pyramid showing energy flow and indicate its trophic levels.