

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (2018 Batch) (Sem.-1)

**ESSENTIAL BIOLOGY**

Subject Code : BMLS-101-18

M.Code : 75258

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS 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 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****Q1 Answer briefly :**

- a. What is exocytosis?
- b. What do you understand by the term '*Biology*'?
- c. Write a short note on protein synthesis.
- d. Name the various cell organelles.
- e. What is the importance of cell membrane?
- f. What is gene mapping?
- g. Write a short note on electrolytes.
- h. Name the types of epithelial tissue.
- i. Define carbohydrates.
- j) Write a short note on medical technologist.

### SECTION-B

- Q2 Explain the structure of DNA as a genetic material.
- Q3 Differentiate prokaryotic and eukaryotic cells.
- Q4 Describe the structure and functions of nervous tissues.
- Q5 Briefly describe the action of actin and myosin in cell division.
- Q6 Discuss the essential requirements of a typical laboratory.

### SECTION-C

- Q7 What are neurons? Classify these on the basis of their functions.
- Q8 Why cell is called a basic unit of life? Briefly explain the cell organelles and their functions
- Q9 What is Mendel's law of inheritance?

**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..**