

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(MLS) (Sem.-1)
ESSENTIAL BIOLOGY
Subject Code : BMLS-101-18
M.Code : 75258
Date of Examination : 10-01-23

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

1. Answer briefly :

- a. What is endoplasmic reticulum?
- b. What are oncogens?
- c. Define centrioles.
- d. Define Prokaryotic cells.
- e. Give two functions of Golgi complex.
- f. What is Protein synthesis?
- g. Define crossing over.
- h. What are suicide bags?
- i. Discuss linkage.
- j. Define Cell Division.

SECTION-B

2. Enlist various functions of Animal cell and cell organelles,
3. Distinguish between mitosis and meiosis.
4. Describe the structure of connective tissue.
5. State the role of cilia and flagella in cell movement.
6. Briefly explain the Mendel's Law of inheritance.

SECTION-C

7. Write a note on fluid mosaic model and chromosomal basis of inheritance.
8. Explain in detail the DNA as a genetic material.
9. What is the scope of career options in medical lab science?

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.