

Roll No. Total No. of Pages: 02

Total No. of Questions: 09

B.Sc.(MLS) (2018 & Onwards) (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

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1. Answer briefly:

- A) What is endocytosis?
- B) Define Prokaryotic cells.
- C) Define Somatic mutation.
- D) What are suicide bags?
- E) Give two functions of Golgi complex.
- F) What is Protein synthesis?
- G) Define Phenotype.
- H) What are oncogens?
- I) Write a short note on Blood groups.
- J) Define Cell Division.



SECTION-B

- 2. Enlist various functions of blood.
- 3. Distinguish between mitosis and meiosis.
- 4. Describe the structure of muscular tissue.
- 5. State the role of centriole in cell division.
- 6. Describe various membrane receptors.

SECTION-C

- 7. Briefly explain the Mendel's Law of inheritance. Give reason for Mendel's success.
- 8. Explain in detail the structure and functions of animal cell and cell organelles.
- 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.

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