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Total No. of Questions: 09

B.Sc.(BT) (2018 Batch) (Sem.-1)
BASICS OF BIOSCIENCES
Subject Code: BSBT-107-18

M.Code: 5551-107-1

Time: 3 Hrs. Max. Marks: 30

INSTRUCTIONS TO CANDIDATES:

- 1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.
- 2. SECTION-B contains FIVE questions carrying $2^{1}/_{2}$ (Two and Half) marks each and students has to attempt any FOUR questions.
- 3. SECTION-C contains THREE questions carrying FIVE marks each and students has to attempt any TWO questions.

SECTION-A

1. Answer briefly:

- a) Define Cell theory.
- b) Any 4 characteristics of Kingdom Fungi.
- c) What are the three Domains of Life?
- d) Unique property of Muscle tissue.
- e) Differentiate between Nucleotide and Nucleoside.
- f) Function of Connective tissue.
- g) Define Inflorescence.
- h) What are enzymes?
- i) Cell Cycle.
- j) What are the different types of RNA found in cell?

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SECTION-B

- 2. Describe the salient features of Kingdom Monera.
- 3. What are Biomolecules? Describe the structure of DNA briefly.
- 4. Describe the parts of a typical angiosperm flower.
- 5. Explain the various types of Root system.
- 6. Describe the secondary and tertiary structure of Proteins.

SECTION-C

- 7. Describe the structure and functions of Mitochondria.
- 8. Describe the salient features of kingdom Animalia.
- 9. Describe Mitosis with the help of labelled diagrams.

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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