

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc.(BT) (2013 to 2017) (Sem.-1)

BASICS OF BIOSCIENCES

Subject Code : BSBTB-109

Paper ID : [F0206]

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

1. Answer briefly :

- 5 kingdom classification.
- Any four salient features of Mammals with two examples.
- Name the different types of tissues.
- Cell theory.
- Significance of Meiosis.
- Chromatin.
- Pachytene.
- Lysosomes.
- Cytokinesis.
- Homeostasis.

SECTION-B

2. Describe the salient features of Kingdom Monera.
3. Draw a well labeled diagram of an Animal Cell.
4. Explain the Fluid Mosaic Model of cell membrane.
5. What are the characteristic features of enzymes?
6. Describe the Morphology of Flowering Plants.

SECTION-C

7. Define Cell cycle. Describe briefly the different mechanisms of cell cycle regulation.
8. Describe the structure and functions of Endoplasmic Reticulum.
9. Explain the various stages of Mitosis with well labeled diagrams.