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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (BT) (2014 to 2017) (Sem.-2)

CELL BIOLOGY

Subject Code : BSBT-102

M.Code : 47011

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 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. Write briefly :**

- a. Cell Theory
- b. Meiosis I
- c. Structure of muscle cell
- d. Nuclear membrane
- e. Peroxisome
- f. Role of Fibronectin
- g. Role of flagella in cell locomotion
- h. Freeze drying
- i. Nucleosome
- j. CDK-Cyclin

SECTION-B

- Q2. Discuss the broad classification of cells types within an organism.
- Q.3. What is cell senescence and cell death?
- Q4. Describe the ultra structure of cell membrane.
- Q5. Give the chemical basis of staining in detail?
- Q6. What is cytophotometric method?

SECTION-C

- Q7. Discuss the structure and function of mitochondria in detail stating its role in generating energy.
- Q8. What is cell locomotion and what are various ways by which a cell locomotes?
- Q9. Discuss the various stages of cell cycle and their control.

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.