QP CODE: 23104629

23104629

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE EXAMINATIONS, FEBRUARY 2023

First Semester

B.Sc Bioinformatics Model III

Complementary Course - BI1CMT01 - INTRODUCTION TO CELL BIOLOGY

2017 Admission Onwards

F2493359

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define cell.
2. Write two properties of skeletal muscle.
3. Write two features of sensory cells.
4. Draw and label the structure of eukaryotic cell.
5. Write two functiosn of plasma membrane.
6. Write two functions of nucleus.
7. Write two features of lysosomes.
8. Write two functions of microtubules.
9. What is osmosis?
10. Define symport.
11. What is G1 phase?
12. Define necrosis.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Give an account on diversity of cell size and shape.

14. Give an account on epidermis.

15. Comment on epithelium.

16. Explain the structure of endoplasmic reticulum.

17. Explain the structure of golgi apparatus.

18. Comment on cytoskeleton.

19. Explain the salient features of active transport.

20. Comment on meiosis.

21. Give a brief account on chromosome.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain in detail about special properties of plant cell.

23. Explain in detail about structure and organisation of prokaryotic cell.

24. Write an essay on structure and function of chloroplast with diagram.

25. Write an essay cell division.

(2×15=30)