

QP Code: 828006

Reg. No.....

**Eighth Semester B. Pharm Degree Regular/Supplementary
Examinations July 2023
Cell and Molecular Biology
(2017 Scheme)**

Time: 3 Hours

Max. Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw diagrams wherever necessary*

Essays

(2x10=20)

1. Explain the types of RNA and bio-synthesis of RNA.
2. Give a detail account on cell cycle and its phases.

Short Notes

(7x5=35)

3. Discuss the function of cell surface receptor.
4. Describe the ultra-structure of plasma membrane.
5. Structure of Proteins.
6. Explain the different types of Ribosomes.
7. Give the function of regulatory genes.
8. Different between mitosis and meiosis.
9. Applications of cell and molecular biology.

Answer Briefly

(10x2=20)

10. What are the functions of DNA.
11. Define translation.
12. Steps involved in protein synthesis.
13. Define cell and molecular biology.
14. Define protein kinases.
15. Write the properties of cell and cell membrane.
16. Define oncogene.
17. Define prokaryotic cell.
18. What is endocrine signaling.
19. Define DNA polymerase.
