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Roll No

BP-804T(D)/PY-804 (D)CBGS

**B.Pharmacy VIII Semester (PCI Scheme)/
(Non-PCI Scheme)**

Examination, June 2020

Choice Based Grading System (CBGS)

Cell and Molecular Biology

Time : Three Hours

Maximum Marks : 75

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Define Cell and Molecular biology. Explain in detail about applications of molecular biology.
2. Explain in detail about the properties of Cell membrane. Differentiate between prokaryotic and eukaryotic cell.
3. Write about transcription in relation to Protein Synthesis. Discuss about various types of RNA and their functioning.
4. Write a detailed note on significance of Protein synthesis.
5. Briefly discuss about mitosis and meiosis.
6. Describe Signalling pathway. Explain the receptors for cell signalling.

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7. Explain briefly the functioning of protein kinase.

8. Write short notes on any three of the following.
 - a) Cell cycle analysis
 - b) Genomic analysis
 - c) Cellular processes
 - d) DNA functioning

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