

(2)

Q.7 What is Pharmacogenomics? Explain Gene mapping and cloning of disease gene?

Q.8 Write short notes (Any Two)

- (a) PCR
- (b) Gene sequencing
- (c) G protein coupled receptors
- (d) Cell culture techniques

[Total No. of Questions: 8]

[Total No. of Printed Pages : 2]

Enroll No.....

MPL-104T

M. Pharm. (P'ology)–I Semester (Reg./Ex)

Examination, March-2021

Cellular and Molecular Pharmacology

Time: Three Hours

Maximum Marks:75

Note: Attempt any five questions. (Each question carries equal marks)

Q.1 Explain Cell biology? Write functions and structure of cell and its organelles?

Q.2 Write Principles and applications of genomics and any two proteomic tools.

Q.3 Explain Cell cycles regulation? Write Cell death events, regulators, intrinsic and extrinsic pathways of apoptosis?

Q.4 What is Cell signaling and Intercellular and intracellular signaling pathways of cell signaling?

Q.5 Elaborate the recombinant DNA technology? Write about Basic principles of recombinant DNA technology- Restriction enzymes?

Q.6 Explain the genetic variation in G-protein coupled receptors.