

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 0524]

**MAY 2024
(APRIL 2024 EXAM SESSION)**

Sub. Code: 2984

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New Regulations 2016)
PHARMACOLOGY – MPL
PAPER IV - CELLULAR AND MOLECULAR PHARMACOLOGY**

Q.P. Code: 262984

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. A) Classify Receptors and explain the genetic variation in G-protein coupled receptors.
B) Write the Principle and Application of Polymerase chain reaction.
2. Enumerate the principles, process and applications of recombinant DNA technology.

II. Write notes on:

(7 x 5 = 35)

1. Explain about proteomics.
2. Biosimilars.
3. Write the types of cell culture.
4. Explain about cell death.
5. Write about Immunotherapeutics in clinical practice.
6. Cell Cycle and its Regulation.
7. Mitogen Activated Protein Kinase (MAPK).
