

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

[M.PHARM 0524]

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

Sub. Code: 2982

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New Regulations 2016)
PHARMACOLOGY – MPL
PAPER II - ADVANCED PHARMACOLOGY - I**

Q.P. Code: 262982

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Define biotransformation. Explain the various phases of biotransformation reactions with suitable examples.
b) Write a note on enzyme induction and enzyme inhibition.
2. a) Classify Anti arrhythmic drugs with examples for each group.
b) Explain the mechanism of action, pharmacological actions, therapeutic uses and adverse effects of Quinidine.

II. Write notes on:

(7 x 5 = 35)

1. Describe pharmacological actions, therapeutic use and adverse effect of acetylcholine.
2. Calcium channel blockers.
3. Hematinics.
4. Describe the pharmacology of anti-anxiety agents.
5. Explain about GABA – Receptor.
6. Serotonin.
7. Write a note on Non-depolarizing and depolarizing neuromuscular blocking drugs.
