

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

[MD 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2023

**M.D. DEGREE EXAMINATION
BRANCH VI – PHARMACOLOGY**

**PAPER II – SYSTEMIC PHARMACOLOGY INCLUDING
RECENT ADVANCES**

Q.P. Code: 202023

Time: Three Hours

Maximum: 100 Marks

I. Essay:

(2 x 15 = 30)

1. Write about Glutamate Receptors. Explain their Types and their Functional role.
2. Discuss the mechanisms for Platelet Aggregation and the drugs targeting them.

II. Short notes:

(10 x 5 = 50)

1. M3 selective Anti Muscarinic Drugs.
2. Centrally acting Anti Hypertensive Drugs.
3. Ezogabine.
4. Desmopressin.
5. Inodilators.
6. Icatibant.
7. Gonadotropin preparations and their uses.
8. Pharmacokinetics of Inhalational Anaesthetics.
9. Proton Pump Inhibitors – Current status.
10. Uricosuric Agents.

III. Reasoning Out:

(4 x 5 = 20)

1. Presynaptic beta receptors – compare with Presynaptic alpha receptors.
2. Use of Thiazide diuretics in Diabetes insipidus.
3. Non contraceptive uses of Oral Contraceptive Pills.
4. Drugs acting on 5 HT receptors in Migraine.
