

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

[MD 0522]

MAY 2022

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. a) Explain the therapeutic uses and ADRs of Diuretics.
b) Explain the roles of thiazides and desmopressin in diabetes insipidus.
2. a) Explain the nonendocrinal uses of glucocorticoids.
b) Write briefly about glucocorticoid synthesis inhibitors.

II. Short notes:

(10 x 5 = 50)

1. Nitric oxide donors.
2. Darbapoetin.
3. Bacterial resistance to antimicrobial agents.
4. Retinoids.
5. Therapeutic uses of clonidine.
6. Tizanidine.
7. Histamine release inhibitors.
8. Adalimumab.
9. Newer antiepileptic drugs.
10. Cefipime.

III. Reasoning Out:

(4 x 5 = 20)

1. Use of pseudoephedrine as a nasal decongestant.
2. Amiodarone use for many cardiac arrhythmias.
3. Aripiprazole as an antipsychotic.
4. Clinical use of Glutathione replenishing agent.
