

QP Code:102112

Reg. No.:.....

**PG Degree Supplementary Examinations in Pharmacology (MD)
April 2026**

Paper II - Systematic Pharmacology, Chemotherapy and Therapeutics

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Describe the nitric oxide (NO)–cGMP signaling pathway. Enumerate the various classes of drugs that modulate this pathway and discuss their mechanisms of action, clinical applications in cardiovascular and other disorders and associated adverse effects

Short essays:

(8x10=80)

2. Non cardiovascular uses of beta blockers
3. Therapeutic indications of corticosteroids in various systemic and local disorders
4. Explain the drugs that reduce gastric acid secretion with their therapeutic applications
5. Antiplatelet agents and their uses
6. Drugs used in the management of edema
7. Metronidazole and its analogues
8. Alkylating agents in cancer chemotherapy
9. Pharmacotherapy of smoking cessation
