

**QP Code:102112**

**Reg. No.:.....**

**PG Degree Supplementary Examinations in Pharmacology (MD)  
July 2025**

**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. Classify the drugs used to treat bronchial asthma with examples. Explain the mechanism of action and adverse effects of each drug group. Add a note on the merits and demerits of the various devices used to deliver these medications

**Short essays:**

**(8x10=80)**

2. Third generation beta blockers and their therapeutic uses
3. Explain Endothelin receptor Antagonists and their significance in various conditions
4. Enumerate plasma expanders, their desirable properties and uses
5. Probiotics in therapy – merits and demerits
6. Pharmacological importance of aromatase inhibitors
7. Explain the mechanism of action and adverse effects of Anti-epileptics affecting GABA-ergic neurons
8. Explain the pharmacotherapy of chloroquine-resistant falciparum malaria and add a note on malarial prophylaxis
9. Mention the various types of Biological response modifiers with their uses

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