

QP CODE: 204326

Reg. No:

**Second Year Pharm D Degree Regular/Supplementary Examinations
September 2025**

Pharmacology - I

Time: 3 Hours

Total Marks: 70

- *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*

Essays

(3x10=30)

1. With examples, classify cholinergic drugs and discuss the major pharmacological actions of acetylcholine. (4+6)
2. With examples, classify anti-anginal drugs and discuss the pharmacology of nitrates.
3. With suitable examples, classify thyroid inhibitors. Explain the mechanism of action of thyroid hormones.

Short notes

(8x5=40)

4. Classify antihistamines and write their uses
5. With examples, classify Local anaesthetics and explain the mechanism of action.
6. Briefly write the mechanism and justify the therapeutic use of
 - a) Dapagliflozin
 - b) Acarbose
7. Describe with suitable examples any five factors that modify the drug action.
8. Explain the mechanism of actions of statins and fibrates.
9. Classify drugs used for bronchial asthma. Explain the mechanism of any two classes.
10. Classify various routes of administration with examples. Explain the advantages and disadvantages of the parenteral route of administration.
11. Explain the concept of bioavailability and the factors affecting it.
