

**QP CODE: 204326**

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

**Second Year Pharm D Degree Supplementary Examinations  
April 2024**

**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. List the factors that modify drug actions. Explain with examples any four patient related and two drug related factors that modify the drug action.
2. Explain the processes of adrenergic transmission. List the drugs that modulate the adrenergic system
3. • Classify oral antidiabetics
  - Explain the mechanism of action of DPP4 inhibitors.
  - List out the adverse effects (2 each) of sulfonylurea and biguanides.

**Short notes**

**(8x5=40)**

4. Describe the cellular mechanism of action of thyroid hormone.
5. Write a note on the various routes of drug administration.
6. Describe the mechanism of action of barbiturates.
7. Classify antianginal drugs with examples. Explain the cellular mechanism of action of Nitrates.
8. Write short note on Disulfiram.
9. Explain the effects of atropine on eye and smooth muscle
10. Enumerate the therapeutic uses and adverse effects of antihistaminics.
11. Discuss the mechanism of action and pharmacological actions of methylxanthines.

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