

**QP CODE: 204326**

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

**Second Year Pharm D Degree Supplementary Examinations  
March 2023**

**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. Classify cholinergic drugs with examples, explain the pharmacology of acetylcholine.
2. Define and classify antihypertensive agents with examples. Explain the mechanism of action and therapeutic uses of ACE inhibitors.
3. Enumerate different routes of drug administration and write the merits and demerits of oral and parenteral routes of drug administration.

**Short notes**

**(8x5=40)**

4. Define angina pectoris; classify anti-anginal drugs with examples. Write the mechanism of action and therapeutic uses of nitrates.
5. Explain briefly G-protein coupled receptors.
6. Define biotransformation. Explain briefly phase I and II reactions.
7. Define autacoids. Write the pharmacology of histamine.
8. Define and classify anti-thyroid drugs. Write the pharmacological action of any one drug.
9. Classify anti-convulsants with examples; write the mechanism of action and therapeutic uses of phenytoin.
10. Explain the pharmacology of aspirin.
11. Define and classify general anesthetics; explain the stages of general anesthesia.

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