

# **2010 Scheme**

**QP CODE: 303006**

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

**Third Year B.Pharm Degree Supplementary Examinations May 2023**

## **Pharmacology – I**

**Time: 3 Hours**

**Total 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*

### **Essays**

**(3x10=30)**

1. Classify the various routes of drug administration. Explain in detail about parenteral route of drug administration.
2. Define absorption. Write elaborately on the methods and factors influencing drug absorption.
3. Define biotransformation. Explain the phase I and phase II biotransformation of drugs

### **Short notes**

**(14x5=70)**

4. Classify antianginal drugs and explain the pharmacotherapy of angina pectoris
5. Explain the principles of drug action.
6. Define the following:
  - Agonist                      • Antagonist                      • Spare receptors
  - Tolerance                      • Drug dependence
7. Explain first pass metabolism.
8. Discuss about anti-cholineesterase drugs and its applications.
9. Explain the general principles involved in the treatment of poisoning.
10. Explain special toxicity studies and add a note on teratogenicity.
11. Discuss pharmacological action of adrenergic drugs.
12. HMG-CoA reductase inhibitors examples and uses.
13. Explain neuromuscular blocking drugs.
14. Calcium channel blocker examples and uses.
15. Describe the renin-angiotensin system and drugs modifying it.
16. Drugs used to treat bronchial asthma.
17. Name the adrenal cortical hormones and mention their therapeutic uses.

\*\*\*\*\*