

QP Code: 424006

Reg. No.....

**Fourth Semester B.Pharm Degree Regular/Supplementary  
Examinations March 2023  
Pharmacology I  
(2017 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- *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 diagrams wherever necessary*

**Essays**

**(2x10=20)**

1. Discuss the various routes of drug administration. Write the advantages and disadvantages of oral route.
2. Define Parkinson's disease and classify anti- Parkinson's drugs. Explain the actions and adverse effects of Levodopa

**Short Notes**

**(7x5=35)**

3. Classify anticholinesterases. Mention their uses
4. Discuss the pharmacological actions of morphine
5. Write a note on MAO- B inhibitor.
6. Define glaucoma. Write note on drugs for glaucoma
7. Explain the mechanism of action and adverse effects of tricyclic antidepressants
8. Explain the pharmacokinetic drug interaction
9. Classify general anesthetics and add a note on stages of anesthesia

**Answer Briefly**

**(10x2=20)**

10. What are cholinesterase re-activators
11. Mechanism of action of benzodiazepine
12. Define mydriatics and miotics
13. Classify biotransformation reactions.
14. List four therapeutic uses of  $\beta$  adrenergic blocking drugs
15. Phases of clinical trials
16. Name four anti-anxiety drugs
17. Differentiate between drug addiction and drug tolerance.
18. Mention factors that modify drug action
19. Give two examples each for agonist and antagonist

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