

BACHELOR OF PHARMACY EXAMINATION, 2023

(2nd Year, 2nd Semester)

PHARMACOLOGY I

Time : Three hours

Full Marks : 75

GROUP – A (25 marks)

(Q1) What are the different routes of drug administration? Shortly discuss about the parenteral route of drug administration. (5+10=15)

(Q2) Write notes on (any two) (5X2=10)

- a. Receptors
- b. Drugs metabolism
- c. Routes of drug elimination.

GROUP – B (25 marks)**(Q3)**

- (a) Define Inverse Agonist and Receptor Blocker with example.
- (b) Write about the enzymatic destruction of Acetylcholine at Parasympathetic neuro effector junction.
- (c) Mention one example each for specific agonist of Muscarinic receptor type M1, M2 & M3.
- (d) Write about Ganglionic Stimulants & Ganglioplegics with examples.
- (e) Write about the Cosmetic use of Botulinum Toxin. (25)

OR**(Q4)**

- (a) Write in details about different strategic Pharmacological approaches which are clinically relevant in the management of all types of Glaucoma.
- (b) Write about the enzymatic destruction of Noradrenaline at Sympathetic neuro-effector junction.
- (c) Explain the effect of:
 - (i) IV administration of Ach on blood pressure.
 - (ii) Dicyclomin Hcl on GIT. (25)

GROUP – C (25 marks)

(Q5) Write short notes on (any Three): (5x3=15)

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| a) Synthesis and storage of Dopamine | b) Pathophysiology of Parkinson's disease |
| c) Mechanism of Action of L-DOPA | d) Serotonin receptors |

(Q6) Discuss the mechanism of action for the following drugs (any Two): (5x2=10)

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|----------------|---------------|
| a) Haloperidol | b) Olanzapine |
| c) Imipramine | d) Fluoxetine |