

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

End Semester Examination – Supplementary Winter 2023

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Date: 09/01/2024

Course: B. Pharmacy  
Subject Name: Pharmacology-I  
Max Marks: 75

Sem: IV  
Subject Code: BP404T  
Duration: 3 Hr.

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1. All questions are compulsory [Visit: https://pharmacyindia.co.in](https://pharmacyindia.co.in/)

2. Draw diagrams/figures wherever necessary

3. The figures to the right indicate full marks

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Q. 1. Objective Type Questions (Answer all the questions)

(10 x 2) = 20

i) Define prodrug. Give examples of prodrugs.

ii) Enlist the drugs used in glaucoma.

iii) What is the dose-response relationship? What are its advantages?

iv) What is Drug addiction? Give examples.

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v) Name and role of excitatory neurotransmitters present in CNS.

vi) Define Synergism Classify it with examples.

vii) Differentiate between Enzyme Induction and Enzyme Inhibition.

viii) Define –i) Agonist ii) Antagonist

ix) Define –i) Sedative ii) Hypnotics

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x) Define bioavailability and clearance.

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Q. 2. Long Answers (Answer 2 out of 3)

(2 x 10) = 20

i) Classify parasympathomimetics with examples. Write the pharmacology of Acetylcholine.

ii) Define Receptor. Classify Receptors and explain G-Protein coupled receptors with signaling transduction mechanisms.

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iii) Define Parkinsonism. Classify antiparkinson drugs with examples. Write the mechanism of action and therapeutic uses of MAO inhibitors.

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Q. 3. Short Answers (Answer 7 out of 9)

(7 x 5) = 35

i) Compare the Merits and Demerits of oral and Parenteral routes of administration.

ii) Classify Sedative-Hypnotics with examples. Explain the mechanism of action, adverse effects, and uses of diazepam.

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✓iii) Write About the Mechanism and stages of general anesthesia.

iv) Define Myasthenia gravis. Enlist the drugs Used in its treatment.

v) Write about various phases of clinical Trials.

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✓vi) Write a note on Phase –I Biotransformation Reactions with Examples.

✓vii) Discuss Pharmacokinetics drug interactions with suitable examples.

✓viii) Mention Mechanism of action and uses of Local anesthetic agents.

ix) Discuss in detail about pharmacological actions of Morphine.

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