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**BPHARM**  
**(SEM IV) THEORY EXAMINATION 2023-24**  
**PHARMACOLOGY I – THEORY**

TIME: 3HRS

M.MARKS: 75

**Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

**1. Attempt all questions in brief.**

**10 x 2 = 20**

a.	Write advantages and limitations of oral route of administration.
b.	Compare active and passive membrane transport systems.
c.	What do you understand by therapeutic index?
d.	Justify the use of adrenaline with local anaesthetics.
e.	Define glaucoma.
f.	Give treatment approaches in belladonna poisoning.
g.	Describe clinical trial phases.
h.	Differentiate sedatives from hypnotics.
i.	What do you understand by hallucinogens?
j.	Write uses of various classes of drugs as preanaesthetic medication with example.

**SECTION B**

**2. Attempt any two parts of the following:**

**2 x 10 = 20**

a.	Classify antiepileptics. Give various mechanisms of antiepileptic drugs.
b.	Explain various receptor signal transduction mechanisms.
c.	Classify opioids. Discuss pharmacology of morphine.

**SECTION C**

**3. Attempt any five parts of the following:**

**7 x 5 = 35**

a.	Explain various factors affecting drug action.
b.	Illustrate various steps involved in neurohumoral transmission.
c.	Elaborate the pharmacology of acetylcholine.
d.	Write a detailed note on Alzheimer's disease and its therapy.
e.	Classify antidepressants. Give pharmacological actions of tricyclic antidepressants.
f.	Discuss pharmacological action, mechanism of action and uses of barbiturates.
g.	Explain pharmacological implications of alcohol withdrawal and its treatment.

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