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BPHARM
(SEM VI) THEORY EXAMINATION 2025-26
PHARMACOLOGY III – THEORY

TIME: 3 HRS

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.	Enlist two drugs used in the management of COPD.
b.	What are anticholinergics? Give two examples.
c.	Define chemotherapy.
d.	Write two adverse effects of penicillin.
e.	What are biosimilars?
f.	Define teratogenicity.
g.	Write the mechanism of action of acyclovir.
h.	Mention two symptoms of barbiturate poisoning.
i.	Define circadian rhythm.
j.	Name two heavy metal poisons.

SECTION B

2. Attempt any two parts of the following: 2 x 10 = 20

a.	Describe emetics and anti-emetics with their classification. Write the mechanism of action and therapeutic uses of Ondansetron.
b.	What are aminoglycoside antibiotics? Write the antimicrobial spectrum, mechanism of action, adverse reactions and therapeutic uses of streptomycin.
c.	Classify immunosuppressant drugs. Explain the mechanism of action and therapeutic uses of calcineurin inhibitors.

SECTION C

3. Attempt any five parts of the following: 7 x 5 = 35

a.	Discuss the pharmacology of Pantoprazole.
b.	Classify and discuss the pharmacology of anti-asthmatic drugs.
c.	Classify anticancer drugs and write the mechanism of action of microtubule damaging agents.
d.	Classify and discuss the pharmacology of antimalarial drugs.
e.	Explain organophosphorus poisoning with symptoms and management.
f.	Classify antitubercular drugs. Explain the mechanism of action of first-line antitubercular drugs.
g.	Explain the concept of chronopharmacology and its clinical significance.