



PAPER ID-411404

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MPHARM
(SEM I) THEORY EXAMINATION 2023-24
ADVANCED PHARMACOLOGY-I

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.	Discuss compartment model in brief.
b.	Classify receptors.
c.	Define Co-transmission
d.	Enlist the names of neurotransmitters of ANS.
e.	What are neurodegenerative diseases?
f.	Name some narcotic analgesics.
g.	Infer the uses of Hematinics.
h.	Demonstrate the therapeutic role of antiplatelet drugs.
i.	Describe the uses of antihistamines.
j.	Discuss the role of Dopamine and serotonin.

SECTION B

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

a.	Describe in detail the phase I and Phase II biotransformation reactions in detail.
b.	Classify the diuretics. Write the MOA, therapeutic uses and adverse effects of loop diuretics.
c.	Enlist the list of drugs of different classes of parasympathomimetic agents. Discuss the pharmacology of acetylcholine.

SECTION C

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

a.	Illustrate the Mechanism of drug action in detail.
b.	Describe the neurohumoral transmission in autonomic nervous system.
c.	Write a descriptive note on Sedatives and hypnotics.
d.	Classify the antiepileptic drugs and explain the pharmacology of Phenytoin.
e.	Assess the physiological and pathological role of prostaglandins.
f.	Mention the drug list for Congestive heart failure. Deduce the pharmacology of digoxin.
g.	Demonstrate the pharmacology of antihistamines.