



PAPER ID-310473

Roll No: _____

MPHARM
(SEM I) THEORY EXAMINATION 2025-26
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.	Write the importance of biotransformation.
b.	Define pharmacodynamics; how it helps in drug discovery.
c.	Write a note on acetyl choline.
d.	Write the diseases associated with dopamine.
e.	Define co-transmission.
f.	Enlist drugs used in mania.
g.	Enlist neurodegenerative diseases.
h.	Write a note on narcotic analgesics.
i.	Write side effects of statins.
j.	Write a note on antiplatelet drugs.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Discuss the physiological and pathological role of histamine.
b.	Write the classification and mode of action of anticoagulants.
c.	Explain the significance of protein binding.

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Write a list of drugs acting on G-protein coupled receptors.
b.	Write the detailed description of drugs used for the treatment of anxiety.
c.	Classify drugs used in treatment of epilepsy; write major adverse effects of antiepileptic drugs.
d.	Write the cellular level mode of action of telmisartan.
e.	How the quantification of drug receptor interaction helps in adverse drug monitoring?
f.	Describe nonlinear compartment models.
g.	Discuss the neurotransmission of adrenaline; how it helps in disease treatment.