M PHARM
(SEM-I) THEORY EXAMINATION 2020-21
ADVANCED PHARMACOLOGY I

Time: 3 Hours *Total 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 various Phase-I metabolic reactions.
b.	How receptor down regulation is different from desensitization?
c.	Define neuromediators with suitable examples.
d.	Justify the use of tropicamide in eye testing.
e.	Write a short note on $GABA_A$ Receptors.
f.	Highlight the advantages of atypical antipsychotics over typical anti-psychotic drugs.
g.	Comment on the use of beta blockers as anti-arrhythmic drugs.
h.	What is the role of furosemide in congestive heart failure?
i.	Define autacoids with suitable examples.
j.	Comment on second generation anti-histaminic.

SECTION B

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

a.	Discuss pharmacology of skeletal muscle relaxants.
b.	Classify anti-epileptic drugs and write a note on newer anti-epileptic drugs.
c.	Explain the pharmacology of antihypertensive drugs.

SECTION C

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

a.	Explain zero order and first order kinetic of elimination.
b.	Elaborate the steps involved in neurotransmission.
c.	Classify anti-adrenergic drugs and write a note on propranolol.
d.	Give an account on the management of myasthenia gravis.
e.	Outline pharmacology of anti-Parkinsonism drugs.
f.	Classify anti-anginal drugs and write mechanism of action, adverse effect of nitrates.
g.	Write a detailed note on serotonergic receptors.

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