Subject Code: MPL102T

Roll No:

MPHARM

(SEM I) THEORY EXAMINATION 2021-22

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.	Define agonist with example.
b.	Explain the bioavailability.
c.	Illustrate the mechanism of action of neostigmine.
d.	Write the symptoms and treatment of atropine poisoning.
e.	Differentiate between sedatives and hypnotics.
f.	Write the mechanism of action of sodium valproate.
g.	Define the coagulants with examples.
h.	Explain the fibrinolytics with examples.
i.	Describe the autocoids with examples
j.	Demonstrate the role of bradykinin.

SECTION B

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

a.	Classify the different types of receptors with emphasis on G-protein coupled receptors.
b.	Classify the antihypertensive drugs and write the MOA, therapeutic uses and adverse effects of diuretics.
c.	Write the classification of antidepressant drugs and give the complete pharmacology of Imipramine.

SECTION C

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

a.	Illustrate the pharmacological treatment of Parkinson disease with complete pharmacology of levodopa.
b.	Describe the Phases of biotransformation reactions with examples.
c.	Classify the neuromuscular blocking agents along with the complete pharmacology of d-Tubocurarine.
d.	Classify the anti-hyperlipidemic drugs with compete pharmacology of statins.
e.	Discuss the physiological and pathological role of histamine.
f.	Write the complete pharmacological treatment of glaucoma.
g.	Summarize the pharmacology of 5HT antagonists.

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