



PAPER QUALITY

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 complete 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.