Sub Code:MPL102T

Paper Id: 298102 Roll No:

M. PHARM.
(SEM-I) THEORY EXAMINATION 2019-20
ADVANCED PHARMACOLOGY-I

Time: 3 Hours *Total Marks: 75*

Note: 1. Attempt all sections be precise in your answer.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a. What is partial agonist?

b. Define the term bioavailability.

c. How local anesthetics work?

d. What is arrhythmia? Explain the MOA of procainamide.

e. What are anticholinesterases?

f. How diuretics are helpful in hypertension?

g. Write the mode of action of Alprazolam.

h. Name any four selective serotonin reuptake inhibitors.

i. What is preanesthetic medication?

j. What do you mean by neurohumoral transmission?

SECTION B

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

a. Explain the pathophysiology of depression. Write an exhaustive note on pharmacology of antidepressants.

b. Give a detail account on neurotransmitter dopamine, its receptors & dopaminergic pathways.

c. Explain the pharmacology of antihypertensive drugs.

SECTION C

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

a. Explain drug receptor interaction. Write a note on GPCR.

b. Classify antiparkinsonian drugs. Write a note on levodopa, why carbidopa is given with levodopa?

c. Classify antiepileptics.Explain pharmacology of phenytoin. What is Lennox-Gastaut syndrome?

d. Write a descriptive note on narcotic analgesics also discuss about treatment of morphine poisoning.

e. What are eicosanoids? Explain their role in inflammation.

f. What is angina pectoris? Classify antianginal drugs, explain the MOA of nitroglycerine.

g. Write short notes on the following (i) Antiplatelet drugs (ii) Hematinics

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