

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 twoparts 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 fiveparts 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