

B PHARM
(SEM-IV) THEORY EXAMINATION 2018-19
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 Cross Tolerance with example.
 - b. What is the effect of acidification of urine on excretion of acidic and basic drugs?
 - c. Explain the effect of competitive antagonist on dose-response curve for an agonist.
 - d. Differentiate Adverse event (AE) and Adverse drug reaction (ADR).
 - e. Why atropine is contraindicated in glaucoma?
 - f. Write the clinical uses of Glycopyrrolate and Isosuxaprine.
 - g. Differentiate MAO-A and MAO-B inhibitors with examples.
 - h. Why Preanesthetic medication is necessary during surgery?
 - i. What are extrapyramidal side effects?
 - j. Differentiate natural and acquired tolerance.

SECTION B

- 2. Attempt any *two* parts of the following: **2 x 10 = 20****
- a. Discuss different factors modifying drug action.
 - b. Classify sympatholytics. Discuss the pharmacology of Adrenaline.
 - c. Write the classification of antiepileptic drugs. Explain the mechanism of action of any four anti-epileptic drugs.

SECTION C

- 3. Attempt any *five* parts of the following: **7 x 5 = 35****
- a. What do you mean by Apparent volume of distribution? Explain carrier-mediated drug transport in brief.
 - b. Give a detail account on essential drugs concept.
 - c. Write a note on combined effects of drugs.
 - d. Discuss the mechanism of action, uses and side effects of D-Tubocuraine.
 - e. Write a note on Neurohumoral transmission in the C.N.S.
 - f. Write down the classification of antiparkinsonian drugs. Why anti-cholinergics are used in the management of Parkinson's disease?
 - g. Discuss the pharmacology of chlorpromazine in detail.