

Paper Id: Roll No:

B. PHARM
(SEM-IV) THEORY EXAMINATION, 2021-22
PHARMACOLOGY-I

Time: 3 Hourswww.aktupreviousyearpaper.in*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. Examine advantages and disadvantages of oral routes of administration.
 - b. Define the terms bioavailability.
 - c. Elaborate therapeutic index and synergism.
 - d. Explain mechanism of action of local anesthetics.
 - e. Demonstrate the synthesis, storage and release of adrenaline diagrammatically.
 - f. Enlist-drugs used for open angle glaucoma.
 - g. Define and classify neurotransmitters.
 - h. Compare general and local anesthetic agents.
 - i. Classify drugs for Alzheimer's disease.
 - j. Compare drug addiction and habituation.

www.aktupreviousyearpaper.in

SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- a. Explain various drug receptor signal transducer mechanisms.
 - b. Summarize antiepileptic drugs and their mechanisms. 'Explain Pharmacology of sodium valproate.
 - c. Classify opioid analgesics. Discuss pharmacology of Morphine

www.aktupreviousyearpaper.in

SECTION C

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Illustrate various factors affecting drug absorption
 - b. What do you understand by preclinic evaluations? Discuss various clinical trial phases.
 - c. Classify anticholinergics. Discuss pharmacological action and uses of atropine.
 - d. Summarize steps involved in neurohumoral transmission of autonomic neurons.
 - e. Explain various stages of anesthesia. Discuss preanesthetic medication.
 - f. Classify drugs for Parkinson's disease. Explain levodopa therapy.
 - g. Discuss the mechanism of action, pharmacological actions and uses of Benzodiazepines and barbiturates.