

**B.Pharm. Semester—V (C.B.S.) Examination**

**PHARMACOLOGY—III**

**Paper—3**

Time : Three Hours]

[Maximum Marks : 80

**Note** :— (1) Question No. **1** is compulsory.

(2) Attempt any **four** questions out of remaining.

(3) Draw neat labelled diagrams wherever necessary.

1. Justify use and mechanism of action of following (any **five**) :

(a) Chlorpromazine

(b) Sodium valproate

(c) Morphine

(d) Diazepam

(e) Ethyl alcohol

(f) Zafirlubast

(g) Oral rehydration solution.

5×4=20

2. (a) Differentiate between typical and atypical antipsychotic agents. Mention their therapeutic use and adverse effects. 6

(b) How is potency of inhalational anesthetic agent assessed ? Give clinical application of thiopental and ketamine. 9

3. (a) What is hypothesis of depression ? Classify antidepressants and describe their mechanism of action with associated side effects. 9

(b) Write a brief note on drug dependence. 6

4. (a) Give the difference between partial and generalized seizures. Describe various mechanisms of action of antiepileptic drugs. 10

(b) Describe the symptoms and management of overdose of barbiturates. 5

5. Classify and elaborate the mechanism of action of nonsteroidal anti-inflammatory drugs. Add a note on Cox-II inhibitors. 15
6. (a) What is meant by clinical trials ? Explain different phases of clinical trials. 9  
(b) Explain in detail about CNS stimulants. 6
7. Justify the use of any **two** of the following :
- (a) Rabeprazole in Zollinger-Ellison syndrome.
- (b) Carbidopa with levodopa in Parkinsons's disease.
- (c) Salbutamol in bronchial asthma.
- (d) Procain in local Anesthetics. 15