

2. Describe in detail role of Gamma Amino Butyric Acid (GABA) as central neurotransmitter. Mention its receptors subtypes and their agonists and antagonists. 15
3. (a) Write various stages of anaesthesia. 5  
(b) Classify general anesthetics and describe pharmacology of clinically used intravenous anesthetics. 10
4. Write pathophysiology of Parkinsonism. Explain various categories of drugs used in management of parkinsonism. 15
5. Write category, mode of action, therapeutic uses and adverse effects of (any **3**) : 15
  - (a) Phenytoin
  - (b) Chlorpromazine
  - (c) Naloxone
  - (d) Lignocaine.
6. (a) Describe various phases of clinical trials. 10  
(b) Write note on ethical issues in clinical trails. 5
7. Write short notes on any **two** : 15
  - (a) Bronchodilators
  - (b) H<sub>2</sub>-antagonists
  - (c) Antianxiety drugs.

**NTK/KW/15/6995**

**Faculty of Pharmacy**

**B.Pharm. Fifth Semester (C.B.S.) Examination**

**PHARMACOLOGY—III**

**Paper—III (5-T-3)**

Time—Three Hours]

[Full Marks—80

**N.B. :**— (1) Question No. **1** is compulsory.

(2) Solve any **FOUR** questions from the remaining.

(3) Draw neat labeled diagram wherever necessary.

1. Solve any **five** of following : 20

- (a) Write contents of investigators brochure.
- (b) Write therapeutic uses and adverse effects of Sucralfate.
- (c) Explain mechanism of action of barbiturates.
- (d) What are stimulant purgatives ? Explain with suitable examples.
- (e) Write in brief about antitussives.
- (f) What are atypical antipsychotic ? Give examples and write their mode of actions.
- (g) “India is good hub for clinical trials.” Explain.