

KNT/KW/16/6566

B.Pharm. (Fifth Semester) (C.B.S.) Examination**PHARMACOLOGY—III****Paper—3 (5–T–3)**

Time : Three Hours]

[Full Marks : 80

Note :— (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 the following :

(a) Write mechanism of action and therapeutic uses of phenytoin.

(b) Write significance of informed consent form.

(c) Explain mechanism of action of benzodiazepines.

(d) What are osmotic purgatives ? Explain with suitable examples.

(e) Write in brief about expectorants.

(f) Classify various categories of anti convulsant drugs with examples.

(g) Write brief note on ethical issues in clinical trials. 20

2. Describe in detail role of dopamine as central neurotransmitter. Write its receptor subtypes with agonists and antagonists. 15

3. (a) Classify general anesthetics. Write in brief pharmacology of inhalational anesthetics. 10

(b) Write note on preanesthetic medications. 5

4. Write pathophysiology of schizophrenia. Explain in brief pharmacology of drugs used in management of schizophrenia. 15

5. Write in brief about (any **three**) :

(a) Opioid antagonists

(b) CNS stimulants

(c) Levodopa + cabidopa combination

(d) Local anesthetics. 15

6. (a) Describe various bronchodilators used in management of bronchial asthma. 10
(b) Write a note on anti emetics. 5
7. Write short notes on any **two** :
(a) Phases of clinical trials
(b) Proton pump inhibitors
(c) Antidepressants. 15

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