

PHARMACOLOGY-III

Paper-3

Time : Three Hours]

[Maximum Marks : 80

N.B. :- (1) Question No. 1 is compulsory.

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

(3) Draw neat labelled diagrams wherever necessary.

1. Attempt any **five** :

- (a) Explain mechanism of action of barbiturates. 20
- (b) Classify anticonvulsant drugs with examples.
- (c) Write a note on antitussives.
- (d) Mention phases of clinical trials. Explain any one.
- (e) Write a note on case report form.
- (f) Write brief note on peptic ulcer.
- (g) Classify antipsychotic drugs with examples.

2. Write pathophysiology of parkinsonism. Explain various categories of drugs used in management of parkinsonism. 15

3. Describe in detail role of gamma amino butyric acid (GABA) as central neurotransmitter. Mention its receptor subtypes and their agonist and antagonists. 15

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

5. (a) Classify local anesthetics and explain mechanism of action. 7

(b) Write in detail about stages of general anaesthesia. 8

6. Explain pharmacology of drugs used in convulsions. 15

7. Write short notes on any **two** : 15

- (a) Opioid analgesics
- (b) Anti diarrhoeal drugs
- (c) Anxiolytics.