

NKT/KS/17/6561

B.Pharm. Semester—IV (C.B.S.) Examination**PHARMACOLOGY—II****Paper—4**

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. **1** is compulsory.(2) Solve any **FOUR** questions from remaining.

(3) Draw neat labelled diagram wherever necessary.

1. Solve any **five** :

- (a) Quinidine in cardiac arrhythmia.
- (b) Cimetidine in Zollinger Ellison Syndrome.
- (c) Forced diuresis, its significance with examples.
- (d) Nitrates in angina pectoris.
- (e) Vitamin B₁₂ in anaemia.
- (f) Clofibrate in hyperlipidemia.
- (g) Use of Tissue plasminogen activator in Stroke.

4×5=20

2. Describe the pathophysiology of CHF. Explain MOA and adverse effects of Digitalis. 15

3. Classify Autocoids. Give detailed account on synthesis, storage and pharmacological actions of histamine. Comment on Histamine Receptors. 15

4. (a) Classify NSAIDs. Give MOA, Pharmacological actions and adverse effects of non-selective Cox-inhibitors. 10

(b) Write a brief account on therapeutic actions of prostaglandins. 5

5. (a) Give classification of Diuretics with suitable examples. Describe MOA, adverse effects and uses of same. 10

(b) Give a note on Antidiuretic hormone. 5

6. (a) Classify oral anticoagulants with their MOA and uses. 10

(b) Give detailed account on fibrinolytic agent. 5

7. Write short notes on any **three** :

- (a) Drug therapy in shock
- (b) ACE inhibitors
- (c) Phosphodiesterase inhibition
- (d) 5HT₃ receptors.

5×3=15