

**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 B<sub>12</sub> 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) 5HT<sub>3</sub> receptors. 5×3=15

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