

**B.Pharm. Semester–IV (CBS) Examination**  
**PHARMACOLOGY–II**  
**Paper–4**

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 diagram wherever necessary.

1. Solve any **FIVE** : 5×4=20
  - (a) Justify the use of aspirin as an antiplatelet agent.
  - (b) Therapeutic potential of  $\beta$ -blockers.
  - (c) Digitalis as a cardiotonic.
  - (d) Role of spironolactone as diuretic.
  - (e) Inotropic agents used in management of congestive heart failure.
  - (f) Justify the statement NSAID causes ulcer.
  - (g) Justify the role of Quinidine as an antiarrhythmic.
2. What is congestive heart failure. ? Discuss its pathophysiology and add a detailed account on management of CHF. 15
3. (a) Classify diuretics with examples. Write detail pharmacological profile of thiazide diuretics. 10  
(b) Discuss in brief about antidiuretic hormone. 5
4. (a) What are autocoids ? Write synthesis, storage and release of 5-hydroxy tryptamine. Add a comment on agonist and antagonist of 5-HT. 10  
(b) Add a note on Histamine Receptors. 5
5. (a) Classify non steroidal antiinflammatory agents. Give detail pharmacological account of any one NSAID. 10  
(b) Write note on Coxibs. 5
6. (a) Classify antihypertensive agents. Write pharmacological actions, adverse effects and uses of ACE inhibitors. 10  
(b) Add a note on HMG CO-A reductase inhibitors. 5
7. Write short notes on following (Solve any **THREE**) :
  - (a) Therapeutic actions of prostaglandins
  - (b) Renin Angiotension system
  - (c) Drug therapy in shock
  - (d) Platelet activating factors
  - (e) Antiarrhythmic agents. 5×3=15