

**N. B.:**

- 1) **Q. No. 1** and 5 are **COMPULSORY**. Out of the remaining Attempt any **TWO** questions from each section.
- 2) Answers to both the sections should be written in **SEPARATE** answer book
- 3) Figures to the right indicate **FULL** marks.

**SECTION-I**

- Q.1** Answer the following: (Any **FIVE**) (10)
- a) Define and classify hematinics with suitable examples.
  - b) Enlist the therapeutic uses of anticoagulants.
  - c) Enlist the pharmacological effects of nitric oxide.
  - d) Classify antianginal drugs with suitable examples.
  - e) Explain the biosynthesis of nitric oxide.
  - f) Define angina pectoris and cardiac arrhythmia.
- Q.2** a) Classify antihypertensive drugs with suitable example. Discuss the (08)  
pharmacology of beta blockers.  
b) Explain the pharmacology, adverse drug reaction and contraindication of ACE (07)  
inhibitors.
- Q.3** a) What is congestive heart failure? Explain the role of diuretics in treatment of (08)  
CCF.  
b) Classify antiarrhythmic drugs. Explain in detail pharmacology, adverse drug (07)  
reactions and contraindications of calcium channel blockers.
- Q.4** Write short notes on any **THREE** of the following: (15)
- a) Vasodilators
  - b) Erythropoietin
  - c) Cardiac glycosides
  - d) Statins

**SECTION-II**

- Q.5** Answer the following: (Any **FIVE**) (10)
- a) Define and classify diuretics with suitable examples.
  - b) Define laxatives. Explain the mechanism of action of osmotic laxative.
  - c) Classify antiemetic drugs with suitable examples.
  - d) Classify antitussive drugs with suitable examples.
  - e) Classify antidiarrheal drugs with suitable examples.
  - f) What are antacids? Give examples.
- Q.6** a) What is peptic ulcer? Classify the drugs used for treatment of peptic ulcer. (08)  
Explain the pharmacology of proton pump inhibitors.  
b) Classify drugs used for treatment of constipation. Explain the pharmacology of (07)  
bulk laxatives.
- Q.7** a) Elaborate the management of chronic asthma. Discuss the role of (08)  
bronchodilators in management of chronic asthma.  
b) Explain the mechanism of action, pharmacology and ADR of thiazide diuretics. (07)
- Q.8** Write short notes on any **THREE** of the following: (15)
- a) Antidiuretics
  - b) Pharmacology of Prokinetic drugs
  - c) Mucolytics
  - d) Principles of treatment of diarrhoea