

Day : Tuesday  
Date : 07/05/2019

Time : 10.00 A.M. TO 01.00 P.M.  
Max. Marks: 80

S-2019-4447

**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 thromobolytics and give suitable examples.
  - b) Enlist the side effects of calcium channel blockers.
  - c) Classify the drugs used for treatment of congestive heart failure.
  - d) What are hematinics? Give suitable examples.
  - e) Classify nitrates with suitable examples and enlist their therapeutic uses.
  - f) Enlist adverse effect of statins.
- Q.2** a) Classify antiarrhythmic drugs and discuss the pharmacology of membrane stabilizing agents. (08)
- b) Classify antianginal drugs with suitable examples. Explain in detail pharmacology of nitrates. (07)
- Q.3** a) Classify antihypertensive drugs with suitable examples. Explain in detail pharmacology of beta blockers. (08)
- b) Write is congestive heart failure? Explain the pharmacology of cardiac glycosides. (07)
- Q.4** Write short notes on any **Three** of the following: (15)
- a) Oral anticoagulants
  - b) Erythropoietin
  - c) Role of nitric oxide in clinical conditions
  - d) Hypolipoproteinemics

**SECTION-II**

- Q.5** Answer the following: (Any **FIVE**) (10)
- a) Explain the mechanism of ulcer protective drugs with suitable examples.
  - b) Explain the mechanism of action of potassium sparing diuretics.
  - c) What are emetics? Give suitable examples.
  - d) Classify the drugs used for the treatment of constipation.
  - e) Give the composition and use of oral Rehydration Solution. (ORS)
  - f) Define systemic and non-systemic antacids with suitable examples.
- Q.6** a) Classify anti-asthmatic agents. Explain the pharmacology and adverse drug reactions of beta 2 sympathomimetics. (08)
- b) Discuss the mechanism of action, adverse effects and therapeutic uses of thiazide diuretics. (07)
- Q.7** a) Classify antitussive drugs with suitable examples. Explain the differences between opioid and non-opioid antitussive drugs. (08)
- b) Explain the principles of management and pharmacotherapy of diarrhoea. (07)
- Q.8** Write short notes on any **THREE** of the following: (15)
- a) Mucolytics
  - b) Osmotic diuretics
  - c) H2 antagonists
  - d) Bulk Laxatives