

**Instructions:**

- a) All questions are compulsory
- b) Draw diagrams wherever necessary
- c) Answers of Questions and Sub-questions must be written strictly according to serial order of question paper.
- d) Do not write anything on the blank portion of question paper, if written anything such type of act will be considered as an attempt to resort to unfair means

**Q1. Long Answer questions**

2 X 10 = 20

- a. 30-year-old female patient comes to OPD with complaints of headache, dizziness and palpitations. On examination the pulse rate was found to be 110/min and BP-160/100 mmHg. The patient was diagnosed to have essential hypertension.
  - a. Classify antihypertensive drugs.
  - b. Role of B-blockers in the treatment of hypertension.
  - c. Role of Diuretics in the treatment of hypertension.
  - d. Role of ACE inhibitors in the treatment of hypertension
  - e. Which drugs are used for treatment of hypertensive crisis?
  - f. Which antihypertensive drugs are safe during pregnancy?
- b. Classify  $\beta$ -adrenergic receptor blockers. Describe pharmacological actions, therapeutic uses and adverse effects of  $\beta$ -adrenergic receptor blockers.

**Q2. Short Answer Questions**

4 X 5 = 20

- a. Prokinetic Drugs.
- b. HMG CoA reductase inhibitors.
- c. Mechanism of action & therapeutic uses of proton pump inhibitors.
- d. Drug therapy of myocardial infarction.
- e. Clinical significance of plasma half-life.
- f. Describe the role of physician in health care system.

**Q3. Very Short Answer Questions**

1 X 10 = 10

- a. Justify use of epinephrine in anaphylactic shock.
- b. Why low dose dopamine is used in acute renal failure?
- c. Differences between d-tubocurarine & succinylcholine.
- d. Why antihistamines are not used for treatment of bronchial asthma?
- e. Why low dose aspirin is used as antiplatelet agent?
- f. Explain the pharmacological basis of using lactulose in hepatic coma.
- g. Describe mechanism of action of warfarin as anticoagulant agent.
- h. Explain why amiodarone is called broad spectrum antiarrhythmic agent?
- i. Mention important advantages & disadvantages of prodrug.
- j. Justify use of furosemide in acute left ventricular failure.