

(3 Hours)

(Total marks: 70)

- N.B.: (1) All questions are **compulsory**.  
 (2) **Figures** to the **right** indicate **full marks**

- Q.1 (a) Answer the following: 12
- Discuss clinical uses of antihistaminics.
  - Why are traditional NSAIDs contraindicated in pregnancy?
  - Comment on the importance of oral rehydration therapy in diarrhea.
  - Explain the mechanism of action (MOA) and therapeutic use of lithium.
  - Discuss the adverse effects of sodium valproate.
  - Explain the mechanism of action of sulfasalazine in irritable bowel disease.
- Q.1 (b) Answer the following: 3
- State the disadvantages of prolonged laxative use.
  - Comment on the use of Fomepizole.
  - State the effects of bradykinin on smooth muscles.
- Q.2 (a) Answer **any two** of the following: 8
- Discuss the role of Levodopa in treatment of Parkinson's disease.
  - Explain the mechanism of action of diazepam and discuss its therapeutic uses.
  - Discuss the pharmacology of morphine.
- Q.2 (b) Answer **any one** of the following: 3
- Nitrous oxide
  - Antianxiety drugs
- Q.3 (a) Answer **any two** of the following: 8
- Discuss the pharmacotherapy of hyperuricaemia.
  - Describe the pharmacological effects of aspirin.
  - Discuss the role of bronchodilators in the treatment of asthma. What are the demerits of their long term use?
- Q.3 (b) Write a short note on **any one** of the following: 3
- Platelet activating factor
  - Ergot alkaloids
- Q.4 (a) Answer **any two** of the following: 8
- Discuss the MOA of omeprazole and sucralfate. Mention one adverse effect of each.
  - Discuss osmotic and lubricant purgatives.
  - Classify antiemetic drugs. Add a note on dopamine receptors antagonist as anti-emetic drugs.

- Q.4 (b) Write a short note on **any one** of the following: 3
- (i) H<sub>2</sub> receptor blockers
  - (ii) Emetics
- Q.5 (a) Answer **any two** of the following: 8
- (i) Classify antidepressant drugs. Discuss the adverse effects of tricyclic antidepressant
  - (ii) Comment on the adverse effects of ethanol. Add a note on disulfiram.
  - (iii) Describe the mechanism of action and clinical uses of carbamazepine.
- Q.5 (b) Write a short note on **any one** of the following: 3
- (i) Analeptics
  - (ii) Amide local anesthetics
- Q.6 (a) Discuss the symptoms and management of **any two** of the following: 8
- (i) Arsenic poisoning
  - (ii) Opioid toxicity
  - (iii) Mercury poisoning
- Q.6 (b) Write a short note on **any one** of the following: 3
- (i) Paracetamol
  - (ii) Sumatriptan

\*\*\*\*\*