

(3 Hours)

(Total Marks 80)

N.B.: (1) All questions are compulsory.

(2) Figures to the right indicate full marks

Q 1 a) Answer the following

10

- i. Enlist two prokinetic agents.
- ii. Enlist antidotes for Arsenic poisoning.
- iii. Name two cholinergic drugs for treating Alzheimer's disease
- iv. Name any two therapeutic uses of serotonergic drugs.
- v. Give contents of Oral Rehydration Therapy.

Q 1 b) Fill in the blank

5

- i. Trimethylxanthine is known as
- ii. Galantamine is used to treat
- iii. Sulfasalazine is used to treat.
- iv. Diazepam belongs to the class of drugs known as
- v. is the major inhibitory neurotransmitter in the brain.

Q 1 c) Match the following

5

| A | B |
|---------------|---------------|
| Sumatriptan | CNS Stimulant |
| Nitrous oxide | Antianxiety |
| Diazepam | Antivertigo |
| Cocaine | Migrane |
| Cinnerrazine | Laughing gas |
| | Antiemetic |

Q 2 a) Answer any two of the following

8

- i. Discuss the treatment of status epilepticus and state the adverse effects of Phenytoin.
- ii. State the advantages of SSRIs over TCAs.
- iii. Describe pharmacotherapy of Parkinson's disease.

Q 2 b) Answer any one of the following

4

- i. Explain in detail stages of anesthesia.
- ii. Write a note on CNS stimulants.

- Q 3 a) Answer **any two** of the following 8
- i. Describe the biosynthesis and role of bradykinin.
 - ii. Discuss the role of leukotrine receptor antagonists in treatment of asthma.
 - iii. Compare and contrast COX I and COX II inhibitors with suitable examples.

- Q 3 b) Answer **any one** of the following 4
- i. Discuss the role of xanthine oxidase inhibitors in gout.
 - ii. Write a note on biosynthesis of histamine and uses of H1 anti-histaminic drugs.

- Q 4 a) Answer **any two** of the following 8
- i. Classify drugs used for treatment of peptic ulcer. Add a note on H2 blockers.
 - ii. Define the term purgative. Add a note on bulk purgatives.
 - iii. Write a note on management of diarrhea.

- Q 4 b) Answer **any one** of the following 4
- i. Classify anti-motility agents and state its applications
 - ii. Give the indications and CIs for use of emetics.

- Q 5 a) Answer **any two** of the following 8
- i. Explain the effects of ethanol intoxication.
 - ii. Discuss pharmacotherapy of anti-Alzheimer drugs.
 - iii. Give an account of morphine and its effect on the body.

- Q 5 b) Answer **any one** of the following 4
- i. Give pharmacology of lithium carbonate.
 - ii. Write a note on atypical anti-psychotic drugs

- Q 6 a) Answer **any two** of the following 8
- i. Describe MOA of benzodiazepines. Justify why they are considered to be better than barbiturates as sedative hypnotics.
 - ii. Discuss the symptoms and management of Lead poisoning
 - iii. What are the symptoms of Mercury poisoning? How is it managed?

- Q 6 b) Answer **any one** of the following 4
- i. Describe the biosynthesis of serotonin. Add a note on actions of serotonin in CNS.
 - ii. Write a note on Prostaglandins.
