

Day : Thursday
Date : 20-01-2022

W-20673-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 75

N.B. :

- 1) All questions are **COMPULSORY**.
- 2) Answer to both the sections should be written in **SEPARATE** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

Q.1 Answers **ALL** questions : (20)

- i) What is enemata? What are its types?
- ii) What is uptake₁ and uptake₂?
- iii) What is cheese reaction?
- iv) What are disadvantages of oral route of drug administration?
- v) Define and classify parasympathomimetic agents.
- vi) Explain the mechanism of action of sodium valproate.
- vii) Classify anti-depressants with examples.
- viii) Define agonist and antagonist.
- ix) What are therapeutics uses of ethyl alcohol?
- x) Enlist the drugs used in the treatment of Alzheimer's disease.

Q.2 Answer **ANY TWO** from the following **THREE** : (20)

- i) What are Adverse Drug Reactions (ADRs)? Classify them and explain in detail the monitoring of ADRs.
- ii) Define analgesics. Explain pharmacological actions, therapeutic uses and adverse reactions of morphine.
- iii) Explain mechanism of action, pharmacological actions, therapeutic uses and adverse reactions of atropine.

SECTION - II

Q.3 Answer **ANY SEVEN** from the following **NINE** : (35)

- i) What is plasma protein binding of drugs? Explain its significance.
- ii) Explain the metabolism of acetylcholine.
- iii) What are therapeutic uses of beta blockers?
- iv) Write an elaborate note on plasma half-life.
- v) What is pre-anesthetic medication? Explain in detail.
- vi) What is drug tolerance? Explain its types with examples.
- vii) Write an elaborate note on G-protein coupled receptors.
- viii) Write an elaborate note on the drugs used in the treatment of Parkinson's disease.
- ix) Explain various routes of drug elimination.