

Day : Monday

Time : 02:00 PM-05:00 PM

Date : 22-08-2022

S-20673-2022

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 synergism? Explain with example.
- ii) What is the difference between typical and atypical antipsychotics?
- iii) Classify antiepileptic drugs with examples.
- iv) What is the mechanism of action of disulfiram?
- v) Define sedative and hypnotics. Give examples.
- vi) What are nootropics? Give examples.
- vii) What is drug dependence? Explain its types.
- viii) Classify beta blockers. Give examples.
- ix) What are the advantages and disadvantages of oral route of drug administration?
- x) What are various sources of drugs? Give examples.

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

- i) What are parenteral routes of drug administration? Classify parenteral routes. Explain the advantages and disadvantages of IV route.
- ii) Explain mechanism of action, pharmacological actions, therapeutic uses and adverse reactions of acetylcholine.
- iii) Explain in detail various phases of clinical trials.

**SECTION - II**

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

- i) Write a short note on organophosphate poisoning.
- ii) Explain different stages of general anesthesia?
- iii) What are the therapeutic uses of alpha blockers?
- iv) Classify antidepressant drugs. Explain mechanism of action of each class.
- v) Explain mechanism of action, adverse effects and therapeutic uses of phenytoin.
- vi) Write a short note on opioid analgesics.
- vii) What are the therapeutic uses of adrenaline?
- viii) Write a short note on drug-drug interactions.
- ix) Explain the factors affecting drug metabolism.