

SECTION A [30 MARKS]

Answer ALL questions from this Section.

Question 1

- a) What is pharmacology? (2 marks)
- b) Define the following terms as applied in pharmacology. (8 marks)
 - i. Dose
 - ii. Dose interval
 - iii. Drug interaction
 - iv. Teratogenicity
- c) Describe 3 of the branches of pharmacology (6 marks)
 - d) Discuss uses of the following categories of therapeutic drugs . (8 marks)
 - I. Antidepressant
 - II. Antidiabetic
 - III. Antiviral
 - IV. Sedative.
- a) The term drug nomenclature implies to the systematic and scientific naming of drugs. Describe the below listed different categories of names of drugs . (6 marks)
 - i. Chemical name
 - ii. Non-proprietary name (Generic name).
 - iii. Proprietary name.

Question 2

- a) Define chemotherapy (2 Marks)
- b) Discuss ways through which chemotherapy can be given to patients suffering from cancer. (12marks)
- c) Highlight side effects of chemotherapy drugs to patients. (4 marks)
- d) What are roles of a public health officer in drug administration (3 marks)

Question 3

- a) Discuss any two aspects of pharmacodynamics (10 marks)
- b) Several factors play a role in determining the dosage of therapeutic drugs. Discuss any three of the factors. (10 marks)

Question 4

- a) Drug interactions can be classified into several categories based on their mechanisms. Discuss 4 categories of drug interactions (12 marks).
- b) Discuss roles and importance of drug nomenclature. (8 marks)