DATE: 04TH APRIL 2024 **TIME: 09.30 A.M. – 12.30 P.M.**

Part B – 04 Structured Essay Questions (60 Marks)

01.

1.1 State two (02) examples for each of the following types of drug interactions.

a. Pharmacokinetic interactions (02 marks)
b. Pharmacodynamic interactions (02 marks)

1.2 Briefly explain the phases of drug metabolism. (11 marks)

02. Sodium channel blockers are indicated to treat arrhythmias.

2.1 Classify the sodium channel blockers. (03 marks)

2.2 State one (01) example for each category you mentioned in 2.1. (03 marks)

2.3 Briefly explain the mechanism of action of the following medicines.

a. Digoxin (05 marks)
b. Amiodarone (04 marks)

03.

3.1 List three (03) drugs that induce hyperlipidemia as a side effect. (03 marks)

3.2 Answer the following questions regarding statins.

a. Briefly describe the mechanism of action of statins. (06 marks)
b. List three (03) side effects of statins. (03 marks)
c. Name three (03) medicines which belong to statin group. (03 marks)

04.

4.1 Briefly describe the terms "symptom relievers" and "symptom preventers" in asthma and state one (01) example for each. (04 marks)

4.2 Briefly explain the mechanism of action of the symptom reliever that you mentioned in 4.1. (06 marks)

4.3 List five (05) side effects of the medicine mentioned in 4.2. (05 marks)