

DATE: 05<sup>th</sup> OCTOBER 2022

TIME: 9.30 A.M. – 12.30 P.M.

---

**Part B – Short Answer Questions (20 Marks)**

1.

1.1 Define the term 'Pharmacovigilance'.

(02 marks)

.....

.....

.....

.....

.....

1.2 Write the types of adverse drug reactions according to the ABCDEF classification.

(03 marks)

A .....

B. ....

C.....

D .....

E. ....

F.....

1.3 List five (05) maternal factors that affect drug transfer from mother to fetus.

(05 marks)

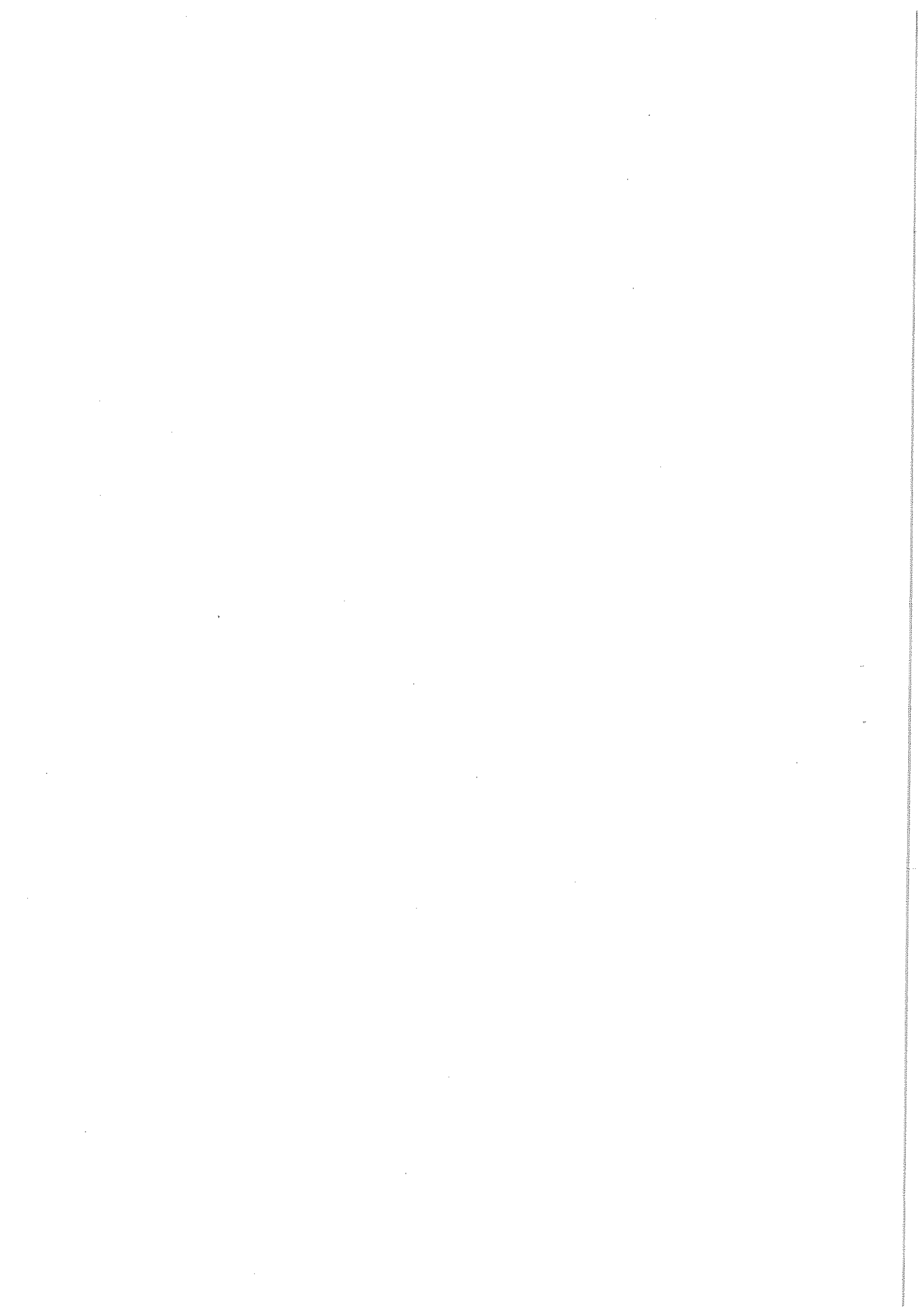
1.....

2.....

3.....

4.....

5.....



Index No.....

2.

2.1 What is a central line?

(02 marks)

.....

.....

.....

.....

2.2 Write three (03) methods that can be used to manage hyperkalaemia. (03 marks)

1 .....

2. ....

3.....

2.3 List five (05) factors that affect adherence to medicines. (05 marks)

1.....

2.....

3.....

4.....

5.....

**Part C – 04 Structured Essay Questions (60 Marks)**

1.

- 1.1. Define “drug interaction”. (02 marks)
- 1.2. Briefly explain the mechanisms of pharmacokinetic drug interactions. (07 marks)
- 1.3. Briefly discuss the role of a clinical pharmacist in the management of drug interactions. (06 marks)

2.

- 2.1. List down four (04) contributing factors for drug related problems among geriatric patients. (02 marks)
- 2.2. Briefly explain the reason for high risk of systemic absorption from topical route of drug administration in paediatric patients compared to adults. (04 marks)
- 2.3. What is a teratogenic agent? (03 marks)
- 2.4. Briefly describe the role of a clinical pharmacist in the safe use of medicines among paediatric patients. (06 marks)

3. A physician wants to know whether Clopidogrel is safer than low dose Aspirin in patients above 65 years for the management of Ischemic Heart Diseases.

- 3.1. Formulate a clinical question to find evidence on the above problem. (02 marks)
- 3.2. Briefly explain how you would use different types of published literature to find evidence to answer the question formulated in 3.1. (05 marks)
- 3.3. Briefly describe how you would appraise the evidence gathered. (06 marks)
- 3.4. Write four (04) limitations of Evidence Based Medicine (EBM). (02 marks)

Index No.....

4. Mrs. AD (30 years old and a breast-feeding mother of a 6-month-old baby), is a regular customer of your pharmacy. She comes to you to fill a prescription of her usual immunosuppressant therapy for Systemic Lupus Erythematosus (SLE).
- 4.1. Write five (05) drug characteristics affecting drug entry into breast milk mentioning how each affects drug entry. (05 marks)
- 4.2. Briefly explain the strategies you would use to confirm the appropriateness/safety of pharmacotherapy in a breast-feeding mother as a clinical pharmacist? (05 marks)
- 4.3. Mrs. AD says she is planning an overseas tour and asks you whether it is safe for her to get the yellow fever vaccine. Briefly explain your opinion in this regard. (05 marks)

