



W1-2-60-1-6
JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATION 2016/2017

BACHELOR OF PHARMACY

FORTH YEAR, MAIN EXAMINATION

PHA 2415 CLINICAL PHARMACY I

DATE: DECEMBER, 2016

TIME: THREE HOURS

INSTRUCTIONS: ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER TWO QUESTIONS FROM SECTION B.

ILLUSTRATE YOUR ANSWERS WITH DIAGRAMS/ STRUCTURES WHERE APPROPRIATE.

SECTION A (60 MARKS)

1. Describe the steps involved in the drug use process in a hospital setup. (5 marks)
2. Explain the significance of taking vital signs for a patient who is seeking pharmaceutical care from a pharmacist in a community pharmacy.(5 marks)
3. Explain the reasons why laboratory tests are done to patients.(5 marks)
4. Identify five liver functions tests, highlight their significance in clinical practice (5 marks)
5. Differentiate between primary and secondary sources of drug information. (5 marks)
6. Explain the significance of determining the blood levels of the following:
 - a) Cardiac troponin I (1 mark)
 - b) Urea and creatinine(1 mark)
 - c) Arterial blood gases(1 mark)
 - d) Glycated haemoglobin(1 mark)
 - e) Glucose (1 mark)
7. Describe five major causes of iatrogenic diseases. (5 marks)
8. Explain the functions of a clinical pharmacist in a multidisciplinary health care team.(5 marks)

9. Describe how the following physical examinations techniques are done.

~~A) Inspection (2.5 marks)~~

~~B) Palpation (2.5 marks)~~

~~10. Define rational prescribing and describe the various strategies that are used to improve it. (5 marks)~~

~~11. Explain the factors that may cause iotrogenic diseases (5 marks)~~

~~12. State five tests done on red blood cells (RBCs) and give their significance (5 marks)~~

SECTION B (40 MARKS)

13. Discuss the role of laboratory tests in the management of patients. (20 marks)

~~14. Discuss the various factors that are likely to influence prescribing of a new drug that has just been introduced in the clinical practice. (20 marks)~~

15. A) Describe the techniques used in preventing absorption of poisons in patients who have been exposed.(10 marks)

B) Describe the techniques used to enhance elimination of already absorbed poisons.
(10 marks)