



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH

4TH YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

KISUMU CAMPUS

COURSE CODE: HPD 3412

COURSE TITLE: PHARMACOLOGY

EXAM VENUE: STREAM: BSc Public

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A -30MKS THREE MARKS EACH

1. Define pharmacodynamics?
2. What is the World Health Organization (WHO) definition of a drug?
3. From history of pharmacology, name any three individuals that are recognized for their contribution to modern day pharmacology
4. Mention any 3 stages of embryogenesis that a drug can cause teratogenicity
5. What is the basic mode of action of chemotherapeutic agents?
6. List any three sources of drugs with examples.
7. “Drug index” is a source of drug information in East African, mention any six basic drug information that one can derive from it.
8. List any three reasons of adjusting doses in children as compared to adult dose.
9. Define what are side effects of a drug with examples?
10. Briefly describe what are over the counter medicines with example.

SECTION B -40MKS -20 MARKS EACH

- 1 Outline and briefly discuss the five risk categories of drugs during pregnancy.
2. Discuss different mechanism of drug action.
3. Briefly discuss drug nomenclature (12 mks). What is a pharmacopoeia? List at least four pharmacopoeia (8 mks).
4. What is pharmacology? State and explain different fields of pharmacology (20Mks)