



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

4TH YEAR 1ST SEMESTER 2022/2023 ACADEMIC YEAR

MAIN CAMPUS

COURSE CODE:

HCB 1403

COURSE TITLE:

INTRODUCTION TO PHARMACOLOGY

EXAM VENUE:

STREAM: BSc Public Health

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: ANSWER ALL QUESTIONS (30MARKS)

1. Define teratogenicity? (3mks)
2. What is the World Health Organization (WHO) definition of a drug? (3mks)
3. Briefly define drug synergism with examples. (3mks)
4. Explain how a child dose can be calculated from adult dose. (3mks)
5. What is the basic mode of action of chemotherapeutic agents? (3mks)
6. Define the terms under dose, dose interval and therapeutic dose (3mks)
7. "Drug index" is a source of drug information in East African, mention any three basic drug information that one can derive from it. (3mks)
8. List any three reasons of adjusting doses in elderly as compared to adult dose. (3mks)
9. Define what are side effects of a drug with examples? (3mks)
10. With examples define over the counter medicine. (3mks)

SECTION B: ANSWER QUESTION ONE (1) AND ANY OTHER QUESTION (40 MARKS)

- 1 Discuss how dose of drug can be calculated from body size, body surface area and age (20mks)
2. Explain different mechanism of drug action.
3. Briefly discuss drug nomenclature (12mks). Define official compendia with example (8mks).
4. Discuss pharmacokinetic process of a drug in human beings (20mks)