



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH
AND DEVELOPMENT**

2ND YEAR 2ND SEMESTER 2018/2019

MAIN CAMPUS

COURSE CODE: *HDC 2211*

COURSE TITLE; *INTRODUCTION TO RESEARCH METHODS*

EXAM VENUE: **STREAM**
DATE: **EXAM SESSION:**
TIME: **1.30 HOURS**

Instructions:

- 1. Answer all questions in section A and any other 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 THE QUESTIONS (30 MARKS)

1. What is a research (2 marks)
2. List two data collection tools for a descriptive study (2 marks)
3. Why do you need to determine sample size in a study (3 marks)
4. List 3 elements of the method section of a proposal (6 marks)
5. Explain an outcome variable (3 marks)
6. List four sources of research ideas (4 marks)
7. What is the difference between the following:
 - i) A case report and case series (4 marks)
 - ii) Case control and cohort studies (4 marks)
 - iii) Null hypothesis and An alternative hypothesis (4 marks)

SECTION B. ANSWER ANY TWO (2) QUESTIONS IN THIS SECTION (30 MARKS)

- 1) Explain FIVE characteristics of a good research (15 arks)
- 2) Explain the process of the formulation of hypothesis
 - a) What is hypothesis? (3 marks)
 - b) What are the characteristics of hypothesis? (12 marks)
- 3) Explain the THREE types of a study design in a descriptive study (15 marks)
- 4) Explain THREE tools for the dissemination of research findings (15 marks)