



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT
2ND YEAR 1ST SEMESTER 2015/2016 ACADEMIC YEAR
KISII CAMPUS – PART TIME

COURSE CODE: HDC 2211

COURSE TITLE: INTRODUCTION TO RESEARCH METHODS

EXAM VENUE:LR 18

STREAM: (DIP. CHD)

DATE:16/12/16

EXAM SESSION:9.00 – 10.30 AM

TIME: 1 ½ HOURS

Instructions:

- 1. Answer all the 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 (30 MARKS)

1. Briefly discuss three uses of research in Health (3 marks)
2. Briefly discuss three qualities of a good research question (3 marks)
3. Explain briefly the importance of conducting a literature review before starting a research project (3 marks)
4. Briefly discuss the importance of a clear statement of the problem in research (3 marks)
5. a) Define hypothesis as used in research (1 mark)
b) A recent study on Malaria conducted in Kisii and Migori Counties indicated that there was a significant difference between the two counties with respect to their Malaria Prevalence rates. State an appropriate null and alternative hypothesis for the study (2 marks)
6. A study on ‘Delivery practices and associated factors among mothers seeking child welfare services at selected health facilities in Kisii County’, was carried out to determine the proportions of deliveries attended by skilled birth attendants as well the factors influencing the mothers’ choices of delivery. Level of education, having more than 3 deliveries in a lifetime, low knowledge on safe delivery practices and low socioeconomic status were found to influence delivery practices among these mothers.
Identify the independent and dependent variables in this study. (3 marks)
7. Explain citing examples the meaning of Primary data and Secondary data (3 marks)
8. a. Contrast between Sample and Universe (2 marks)
b. What is the main advantage of sampling as compared to collection of data on the whole population (1 mark)
9. Briefly describe three ethical principles in research (3 marks)
10. Distinguish between Nominal and Ordinal scales of measurements and give an example of each (3 marks)

SECTION B (30 MARKS)

1. Describe the main elements of a research proposal covering all the relevant areas (15 marks)
2. Discuss the following Sampling Techniques and show how each type can be used in data collection (15 marks)
 - i. Systematic Sampling
 - ii. Stratified Sampling
 - iii. Snowball Sampling
3. a) Explain citing examples the meaning of primary data and secondary data (4 marks)
b) Discuss Focus Group Discussion as a data collection method (11 marks)
4. Discuss the following study designs in research commenting on the major features of each design. (15 marks)
 - i. Cross- sectional Study
 - ii. Case-control Study
 - iii. Cohort Study

