

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2012/2013**

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF PUBLIC HEALTH**

**(KISII LEARNING CENTRE/KISUMU)**

COURSE CODE: HMP 5115/NES 807

COURSE TITLE: RESEARCH METHODS

DATE: 17/4/2013 TIME : 8.00-11.00AM

INSTRUCTIONS

1. This paper contains FIVE (5) questions
2. Answer question 1 (Compulsory) and ANY other 3 Questions
3. Write all answers in the booklet provided

**QUESTION 1 (COMPULSORY)**

1. State briefly the motivation for doing research (**3 Marks***)*.
2. Distinguish between **(8 Marks)**
3. Applied and basic research
4. Probability and non-probability sampling
5. Plagiarism and fraud in research
6. Research and project proposal
7. Define hypothesis and state its importance in research (**4 Marks**)

QUESTION 2

1. Outline at least three (3) merits and demerits of the following studies (**9 Marks**)
2. Cohort studies
3. Case control studies
4. Cross sectional studies
5. List three (3) qualities of a good research protocol (**6 Marks**)

QUESTION 3

 Assume that you have been awarded a grant to carry out research on drug users:

1. State briefly five (5) ethical considerations that you would bear in mind (**5 Marks**)
2. State the sampling method you would apply and give three (3) reasons for your choice (**5 Marks**)
3. State the five (5) considerations in selecting a research problem (**5 Marks**)

QUESTION 4

1. List two main types of research designs (**2Marks**)
2. State five (5) qualitative research methods (**5 Marks**)
3. Briefly describe four (4) instruments used for data collection (**8 Marks**)

QUESTION 5

1. What is report writing in research? (**2 Marks**)
2. Outline and briefly discuss the major components of report writing (**10Marks**).
3. List three (3) purposes of doing research (**3mks**)

QUESTION 6

 a) Write short notes on (**9 Marks**)

 i. Ethics in health research

 ii Informed consent

 iii Cluster sampling

1. Briefly outline the differences between;
2. Sampling unit and unit of inquiry (**2 Marks**)
3. Structured and unstructured questionnaire (**2 Marks**)
4. Sample and population (**2 Marks**)