

**JARAMOGI OGIGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
MPH. EXAMINATION**

**END SEMESTER EXAMINATION
HMP 5115: RESEARCH METHODS**

April 2014

TIME ALLOWED: 3 HRS.

Note: Answer question one and any other three questions

QUESTION 1 (COMPULSORY)

- a) List three (3) reasons why people do research **(3 Marks)**
- b) When do we use open-ended research questions **(1 Mark)**
- c) Name three (3) examples quantitative research methods **(3 Marks)**
- d) Differentiate between:
 - i. Confidentiality and inform consent **(2 Marks)**
 - ii. Observational and experimental studies **(2 Marks)**
 - iii. Stratified and cluster sampling **(2 Marks)**
- e) List two (2) examples of analytical studies **(2 Marks)**

QUESTION 2

- a) List four (3) types of research instruments **(3 Marks)**
- a) Name three advantages of using open ended questions **(3 Marks)**
- b) Describe three (3) ethical issues related to individual researcher **(6 Marks)**
- c) Briefly describe two main types of research **(3 Marks)**

QUESTION 3

- a) Define report writing **(2 Marks)**

- b) List two (2) importance of report writing (2 Marks)
- c) Outline and briefly discuss the major components of report writing (8 Marks).
- d) Name three (3) basic components/elements of informed consent in research (3mks)

QUESTION 4

- a) Briefly outline four (4) probability sampling methods giving (6 Marks)
- b) Name four (4) approaches of disseminating research findings (4 Marks)
- c) Define confidentiality in the context of research and describe three (3) measures you as a researcher would put in place to ensure confidentiality is maintained on the information/data obtained from participants (5 Marks)

QUESTION 5

- a) Name three (3) basic components/elements of informed consent in research (3mks)
- b) Differentiate between analytical and descriptive studies giving two example in each case (4 Marks)
- c) Briefly discuss the steps involved in the research process (8 marks)

QUESTION 6

- a) Define sample (1 Mark)
- b) Write short notes on (6 Marks)
 - i. Hypothesis
 - ii. Cluster sampling
 - iii. Type I error
- c) Differentiate between:
 - i. Key informant and focus group discussion (2 Marks)
 - ii. Project and research proposal (2 Marks)
 - iii. Close and open ended questionnaire (2 Marks)
 - iv. Observational and experimental studies (2 Marks)