

**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)