BONDO UNIVERSITY COLLEGE
UNIVERSITY EXAMINATIONS 2012/2013
FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF MASTER OF PUBLIC HEALTH

KISII LEARNING CENTRE

COURSE CODE: HMP 5115
TITLE: RESEARCH METHODS

DATE: 14/12/2012   TIME: 8.00-11.00AM
DURATION: 3 HOURS

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

QUESTION 1 (COMPULSORY)

a) Name two (2) types of research **(1Mark)**

b) List two (2) causes of bias in research (**2 Marks**).

c) Distinguish between **(8 Marks)**
   i.   Observational and experimental studies
   ii.   Case control and cohort studies
   iii. Simple and cluster sampling
   iv.   Proposal and report

d) 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 (**4 Marks**)

QUESTION 2

a) Explain the meaning of research and state at least four (4) purposes for conducting research **(6 Marks)**

b) Explain at least three (3) types of observational studies (**6 Marks**)

c) Define and give two (2) examples of non-probability sampling **(3 Marks)**

QUESTION 3

a) List three (3) characteristics of a good hypothesis **(3 Marks)**

b) Briefly discuss the steps involved in the research process (**6 marks**)

c) Define literature review and state its purpose in research (**6Marks**)

QUESTION 4

a) What is a questionnaire (**2Marks**)

b) Describe the rules for developing questionnaire and questionnaire items(**10 Marks**)

c) Define ethics and give reasons for ethics in research (**5 Marks**)

QUESTION 5

a) What is a research proposal? (**2 Marks**)

b) Outline and briefly discuss the major components of a research proposal (**10Marks**).

c) Name three (3) basic components/elements of informed consent in research (**3mks**)

QUESTION 6

a) Write short notes on (**5 Marks**)
   - i.   Bias
   - ii   Type 1 error
   - iii Hypothesis

b) Discuss the following items giving examples (**4 Marks**)
   - i.   Probability sampling
   - ii. Target population

c) Briefly outline the differences between;
   - i.   Descriptive and analytical research(**2 Marks**)
   - ii.   Confidentiality and informed consent (**2 Marks**)
   - iii. Closed and open ended questions (**2 Marks**)