



# TECHNICAL UNIVERSITY OF MOMBASA

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF MEDICAL SCIENCES

**UNIVERSITY EXAMINATION FOR:**

MASTER OF SCIENCE IN MEDICAL PARASITOLOGY & VECTOR

BIOLOGY

AML 5112: RESEARCH METHODS

END OF SEMESTER EXAMINATION

**SERIES: APRIL 2016**

**TIME: 3 HOURS**

**DATE:** Pick Date May 2016

## Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt **ALL** questions.

**Do not write on the question paper.**

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## **Question ONE**

Research is conducted to discover answers to questions through the application of scientific procedures.

- a) Discuss the importance of Public Health research (10 marks)
- b) Discuss the Importance of media relations in communicating research findings in Public Health (10 marks)

## **Question TWO**

A *research proposal* is a statement in writing, spelling out ones intentions of carrying out research in a specified area.

- a) Discuss the major challenges encountered in proposal writing (5 marks)
- b) Discuss common reasons why Donor Agencies and other funding organizations reject research proposals submitted to them for funding (15 marks)

### **Question THREE**

Research design is one of the most important steps in the research process.

- a) Discuss the factors to consider when preparing a research design (5 marks)
- b) Experimental research design is one of the common research designs engaged in Pure and Applied Sciences. Explain the design and elaborate its importance in research (8 marks)
- c) Discuss the use of surveys in Public Health research (7 marks)

### **Question FOUR**

Discuss the methods of primary data collection in Public health research (20 marks)

### **Question FIVE**

The final stage of the rigorous exercise of planning and executing a research project is to make the work done and achievements publicly known in a written form, otherwise it would be a futile exercise.

- a) Discuss the components of a thesis as a research report (15 marks)
- b) Explain the importance of seminars and conferences to a research scholar (5 marks).