



TECHNICAL UNIVERSITY OF MOMBASA

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.

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).