



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS AND DEVELOPMENT
MASTER OF SCIENCE IN BIOETHICS
MASTER OF SCIENCE IN HEALTH PROFESSIONAL EDUCATION
END OF JANUARY – APRIL SEMESTER 2023 EXAMINATIONS**

MBE 714 /HPE 714: RESEARCH METHODS

DATE: Tuesday 11th April 2023

TIME: 3 hours **Start:** 1600 Hours **Finish** 2100 Hours

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (25 marks)
Section B: Long Answer Questions (75 marks)
3. All questions in Section A are compulsory and Answer any THREE questions in Section B
4. This online exam shall take 3 Hours
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for more than 5 min or more will lead to lock out from the exam
8. The Learning Management System (LMS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your results
10. In case you have any questions call the invigilator for this exam on Tel. 0722301689 and or the Head of Department on Tel +25472073449 or The LMS administrator on +254733682489
11. For adverse incidences please write an email to: amiu.examinations@amref.ac.ke

SECTION A: COMPULSORY QUESTION (25 MARKS)

1. Answer the following questions:
 - a) Describe with examples the 3 pertinent questions you should ask as a guide when you are selecting a research topic **(6 marks)**
 - b) Using examples in public health to distinguish
 - i) Basic from applied research **(4 marks)**
 - ii) Experimental from observational research **(4 marks)**
 - c) Explain the 3 principles of ethics in health research **(5 marks)**
 - d) Outline the features of a table in presentation of research results **(6 marks)**

SECTION B: SELECT ANY THREE (3) QUESTIONS -75 MARKS

2. Using appropriate examples, compare the quantitative with qualitative research approaches with emphasis on the importance of their complementarity role **(25 marks)**
3. Describe the role of literature review in research, outlining the main features of the APA referencing style **(25 marks)**
4. Using a health research problem of your choice in your field of study, develop the following sections of its research proposal:
 - a) The title **(4 marks)**
 - b) Problem statement **(6 marks)**
 - c) A broad and 2 specific objectives **(6 marks)**
 - d) Study justification and significance **(5 marks)**
 - e) Design and its rationale **(4 marks)**
5. Describe the key issues for consideration when:
 - a) Writing the methodology section of a research proposal **(10 marks)**
 - b) Reviewing a scientific article **(8 marks)**
 - c) Developing an interview schedule for data collection **(7 marks)**