



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTERS MPH/HSM/HPE/MBE
END OF SEMESTER EXAMINATION DECEMBER 2024

MPH/ / HSM/ HPE/ MBE 714: RESEARCH METHODS

DATE: TUESDAY 17TH DECEMBER 2024

TIME: THREE HOURS START: 5.00PM HOURS FINISH 8.00PM HOURS

INSTRUCTIONS

1. This exam will be graded 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. Late submission of the answers will not be accepted
6. Ensure your web-camera is on at all times during the examination period
7. No movement is allowed during the Examination
8. Idling your machine for 5 minutes or more will lead to a lockout from the exam.
9. The Virtual Assessment System (VAS) has built-in integrity checks to detect cheating.
10. Any aspect of cheating detected during and or after the exam administration will lead to disciplinary measures.
11. In case you have any questions, call the invigilator for this exam Dr. Josephat Nyagero on Tel. +254722301689 and or the Head of Department Dr. Faith Muhonja on Tel +254 723 742 370 or ICT related questions Mr. Patrick Njine on +254725835496
12. 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) Explain the application of research in public health/ health systems management/ sexual and reproductive health, rights and policy/ health professional education/ bioethics (4 marks)
 - b) Using examples from your area of study specialization, distinguish
 - i) Independent from dependent variables (4 marks)
 - ii) Quantitative from qualitative data in research processes (4 marks)
 - c) “The title is a min-advertisement of your research study” Discuss this statement (4 marks)
 - d) Outline the features of a good of a research review (5 marks)
 - e) Outline 5 steps of data processing as a prior to good data analysis (4 marks)

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

2. Using appropriate examples, discuss 3 non-interventional and 2 interventional research designs that are relevant in conducting public health/ health systems management/ sexual and reproductive health, rights and policy/ health professional education/ bioethics research (25 marks)
3. Choose a suitable public health/ health systems management/ sexual and reproductive health, rights and policy/ health professional education/ bioethics research problem and develop the following sub-sections of its research proposal:
 - a) Study title (4 marks)
 - b) Statement of the problem (6 marks)
 - c) 3 objectives for the study (6 marks)
 - d) Study justification and significance (5 marks)
 - e) Design and its rationale (4 marks)
4. Your organization has won a grant to conduct research using qualitative methodologies
 - a) Discuss the advantages and disadvantages of using key informant interviews to deliver the assignment (10 marks)
 - b) Describe the key functions of the facilitator that you would recruit to conduct focus group discussions (10 marks)
 - c) Develop an example of qualitative data collection tool that you will use in the data collection process (5 marks)
5. Discuss the circumstances that led to the establishment of the 1947 Nuremberg tribunal and summarize the 10 directives the tribunal gave on “permissible medical experiments” (25 marks)