



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH
END OF SEMESTER EXAMINATION APRIL 2024

UNIT CODE: GMBE 711: BIOETHICS

DATE: April 2024

TIME: Three Hours

Start: 1600 Hours

Finish 1900 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)

SECTION A: COMPULSORY (25 Marks)

Short Answer Questions

Research Integrity

1. A master's student is almost completing their research and has very exciting findings that have the potential for patenting if additional experiments are carried out and show the same results. The student is writing up the thesis and preparing a manuscript for submission to a peer review journal. The Chair of the department hears about the findings and congratulates the student on the excellent work.
 - A. The Chair asks the scholar to include his name in the authors list even though he did not participate in the research. What do you think about this course of action? Is it right or wrong? Why? (7.5 Marks)
 - B. The supervisor tells the student that he will find the money to sponsor further experiments but will only do so if the student allows him to be first author on the

- publication as his promotion review is coming up and he is one paper short of first author papers. What should the student do? Justify your choice. (7.5marks)
- C. The student does the last experiments and finds that he cannot replicate the initial findings, so the initial good results are no longer consistent. When he talks to the laboratory technician who was helping him, he realizes the initial reagents he had used were expired. He does not have the funding to buy additional reagents and furthermore, if he prolongs his time to a new semester he must pay additional fees. What do you think the student should do? Explain your answer using an ethical theory (10 marks)

SECTION B: ANSWER ANY THREE (3) QUESTIONS (75 Marks)

Long Answer Questions

1. Discuss research regulation in Kenya, what are the different levels of approval needed for research and what are the consequences of violation of these regulations? (25 marks)
2. Is there a difference between surveillance and research? Please explain and give an example. (25 marks)
3. What is informed consent? What provisions should be made to ensure that informed consent is duly collected? Are there any special considerations that should be made for minors? The elderly or anyone with a mental impairment (25 marks)
4. What is research integrity? Why is this important? (25 marks)
5. What is the meaning of the following terms used in research are they the same and if different how (give examples) ? (25 marks)
 - a. compensation, payment, and reimbursement
 - b. coercion and undue influence