



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH
END OF SEMESTER EXAMINATION DECEMBER 2025

UNIT CODE: MBE 711 Bioethics

DATE: XX 2025

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

1. You are asked to advise the Minister for health from a low income country on the roll out of an expensive vaccine in children. Describe the relevant ethical considerations regarding;
 - a. Community mobilization (5 marks)
 - b. Vaccine equity (5 marks)
 - c. Vaccination roll out priority schedule (5 marks)
 - d. Parents who refuse to have their children vaccinated (5 marks)
 - e. Possible adverse reactions (5 marks)

SECTION B (Set 5 Questions)

ANSWER ANY THREE (3) QUESTIONS (75 Marks)

2. A man with a severe traumatic brain injury is in a state of brain death. He had previously verbally expressed his willingness to be an organ donor to his wife. In the same hospital is a child who needs a kidney transplant. Dr KM, the attending physician informs the patient's family of his irreversible state and his wish for donation. His wife confirms his wish and agrees to organ donation. His mother and father refuse.

Consider the case and resolve it as an ethical dilemma.

3. Discuss the arguments for different kinds of Euthanasia.

4. A doctor practicing medicine in Western Kenya in the 1950s described the selective advantage conferred by malaria infection to sickle cell anaemia. It is reported that he investigated the relationship of the two in a study where healthy research subjects were injected with live parasites as part of a drug trial by a pharmaceutical company.

Describe the ethical considerations of such a trial

5. Describe the ethical considerations during planning a research project in the following;
- Literature review
 - Sampling
 - Results
 - Recommendations

6. Dr Pond has an HIV patient who has not told his wife about his condition. The doctor has talked to the patient about disclosure a number of times but still the patient does not want to tell his wife nor does he want the doctor to do so on his behalf. The man's wife comes to see the doctor who finds out that she is HIV positive and also pregnant.

Consider the case and discuss the ethical considerations and options for the parties involved.

2. Obesity is a major problem in children in developing countries. Advice on the strategy using ethics OF, IN, FOR public health as well as CRITICAL public health ethics