



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH/ MASTER OF SEXUAL AND REPRODUCTIVE
HEALTH RIGHTS AND POLICY

MAIN EXAM

END OF SEMESTER EXAMINATION APRIL 2026

UNIT CODE: MSR 711 **UNIT NAME:** Bioethics

DATE: 16TH APRIL, 2026

TIME: **Three Hours**

Start: 1700 Hours

Finish 2000 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. Analyze five specific functions of NACOSTI (National Commission for Science, Technology and Innovation) in the regulation of research activities within Kenya. (5 Marks)
2. Identify five disclosure essential elements of an Informed Consent form as required by international and local guidelines. (5 Marks)
3. Examine three points on the ethical concept of Justice as it applies to the selection of research participants, particularly in relation to vulnerable populations. (5 Marks)

4. Discuss the ethical dilemma between the “Right to Know” and the “Right to remain ignorant” in the context of genomic research and genetic screening. (5 Marks)
5. Explain Germline gene editing, highlighting the primary ethical concern associated with germline modifications. (5 Marks)

SECTION B (Set 5 Questions)

ANSWER ANY THREE (3) QUESTIONS (75 Marks)

Long Answer Questions

6. Case Study: A recent legal case in Kenya involved four women living with HIV who were sterilized without their informed consent, with clinicians citing health benefits and the prevention of mother-to-child transmission as justification.
 - a). Critique the clinician's actions using the principle of Respect for Autonomy and the legal doctrine of informed consent. (15 Marks)
 - b). Formulate three policy recommendations for hospitals to ensure such violations are prevented in clinical settings. (10 Marks)
7.
 - a). Evaluate the movement of Transhumanism and its goal of using technology to transcend natural biological limitations (10 marks)
 - b). Discuss five points how transhumanism challenges traditional views of human anthropology and the "common heritage of humanity". (15 Marks)
8.
 - a). Identify the composition of an Institutional Ethics Review Committee (IERC) as outlined in the NACOSTI Training Guide (5marks).
 - b). Discuss five functions of an Institutional Ethics Review Committee (IERC) (10 marks)
 - b). Analyze three benefits of having a diverse membership in the review process (10 marks)
9.
 - a). Critique the Kenyan Assisted Reproductive Technology (ART) Bill, 2022 regarding the rights of parents and donors (10 marks).
 - b). Evaluate five ethical and legal complexities of the “posthumous use of gametes” as addressed in the Bill (15 marks).
10.
 - a). Discuss the potential for Genetic Discrimination in employment and insurance sectors. (10 Marks)
 - b). Assess using five points how the Data Protection Act and other regulatory frameworks can mitigate the risks of unauthorized access to an individual's genetic information. (15 Marks)

