



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
MASTER OF SCIENCE IN BIOETHICS
END OF SEMESTER EXAMINATION JANUARY-APRIL 2026

UNIT CODE: MBE 719 **UNIT NAME** RESEARCH ETHICS

DATE: April, 2026

TIME: Three Hours

Start: 5:00 PM

Finish: 8: 00 PM

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. Define research ethics. (5 marks)
2. Explain the importance of informed consent in research. (5 marks)
3. Describe the principle of justice in research. (5 marks)
4. Explain one ethical issue in biobanking. (5 marks)
5. Describe two roles of an ethics review committee (IRB/REC). (5 marks)

SECTION B (Set 5 Questions)

ANSWER ANY THREE (3) QUESTIONS (75 Marks)

Long Answer Questions

6. Explain four ethical principles guiding research involving human participants. (25 marks)

7. a) Using public health emergency or disaster scenario, analyze four ethical challenges of conducting research in such situation (15 marks)

b) Propose three justifiable safeguards. (10marks)

8. Evaluate the ethical challenges in biobanking by examining:

a) three models of consent (5 marks)

b) ownership of biological materials (5 marks)

c) data sharing practices (5 marks)

d) Assess FIVE ways in which governance frameworks can balance scientific value with participant rights. (10 marks)

9. Discuss four roles of scientific validity as an ethical requirement in research. (25 marks)

10. Examine five roles of ethics review committees in ensuring ethical conduct of research. (25 marks)