



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER OF SCIENCE IN
EPIDEMIOLOGY AND BIostatISTICS & MASTER OF PUBLIC HEALTH
1st YEAR 1st SEMESTER 2023/2024 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: HES 5111

COURSE TITLE: BIOETHICS

DATE:

TIME: 9.00-12.00 NOON

TIME: 2 HOURS

Instructions:

1. Answer question 1 (compulsory) and any other THREE.
2. Each question carries 15 marks

Answer any four questions. Each question carries 15 marks.

Question 1: Discuss the contributions of the following institutions to bioethics administration in Kenya . (15 marks)

- a. National Commission for Science, Technology and Innovation .(NACOSTI)
- b. Institutional Research Ethics Committees:

Question 2: Risk-Benefit analysis in bioethics review’

- a. Describe the rationale of ‘Risk-Benefit’ analysis. *[5 marks]*
- b. Describe ways which these factors may influence how Institutional Research Ethics Committees (IRECs) consider clinical trial research protocol *[10]*

Question 3: Potential ethical lapses in public health practice and research are common, yet conventional bioethical principles are not adequate to provide response guidelines. Using an appropriate public health ethics framework, discuss the warrants for implementing the COVID-19 interventions as was applied in Kenya during the outbreak. *[15 marks]*

Question 4: The use of biological samples in research raises a number of ethical issues in relation to consent, storage, shipment/export, benefit sharing and re-use of samples. Discuss the ethical values in donation of samples or body parts. *[15 marks]*

Question 5: Discuss the merits of following ethics concepts with regard to informed consent using both the ‘consequence-based’ and ‘virtue-based’ perspectives:

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|------------------|-----------|
| a. Disclosure | [3 marks] |
| b. Voluntariness | [3 marks] |
| c. Privacy | [3 marks] |
| d. Withdrawal | [3 marks] |
| e. Decline | [3 marks] |