



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND  
TECHNOLOGY**

**SCHOOL OF HEALTH SCIENCES**

**DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS (MSc)**

**1<sup>ST</sup> YEAR 2<sup>ND</sup> SEMESTER 2018/2019 ACADEMIC YEAR KISII**

**CAMPUS**

---

**COURSE CODE: HES 5111**

**COURSE TITLE: BIOETHICS**

---

**Instructions**

1. Answer four questions in this paper.
2. Question one (1) is a compulsory question to answer, then select any other three (3) questions.
3. Candidates are advised not to write on the question paper.
4. Candidates must hand in their answer booklets to the Invigilator while in the examination room.

## **Questions**

1. Research Ethics committee (RECs) are tasked to assess the risks and benefits of trial or types of researches. Using appropriate framework, discuss the rationale for and how risk benefit assessment would be conducted (15 marks).
2. As a research coordinator, you have been tasked by the principal investigator to prepare the research protocol for submission to local Ethics Review committee. Explain in details the specific elements of an informed consent you would consider to ensure the proposed form is acceptable to reviews (15 marks).
3. The number of people who require organ transplant is progressively increasing and currently the demand exceeds available supply globally. Identify some of the ways often used to facilitate donation and discuss the ethical challenges they pose (15 marks).
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).
5. Define community based research and explain the related ethical issues to consider when planning to implement Health research in contexts that differ politically, socially and culturally such as in Kenya ( 15 marks).
6. Data practice is central to successful research. However, if improper management data may become invalid. Identify some of the data management concerns in Health research context and discuss how this could be resolved (15 marks).