



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF MASTER
3RD YEAR 2ND SEMESTER 2018/2019 ACADEMIC YEAR
KISUMU CAMPUS

COURSE CODE: HES 5111
COURSE TITLE: BIOETHICS
EXAM VENUE: **STREAM: MPH/MSc Epidemiology & Biostatistics**
DATE: **EXAM SESSION:**
TIME: **3.00 HOURS**

Instructions:

- 1. Answer Question One and Any Other THREE Questions**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

Answer Question 1 and any 3 other questions.

Q1. (Compulsory)-15 Marks

Discuss the role of ethics in the conduct of research involving humans, highlighting the 3 key principles.

Q2.

Describe your best course of action when faced with each of the following scenarios (15 Marks).

- a. A subject in your clinical research trial experiences a serious, unanticipated adverse drug experience. How would you proceed, with respect to the IRB, after the discovery of the adverse event occurrence?
- b. A 46-year-old man is currently enrolled in a Phase 2 study of a drug for severe diabetic neuropathy. While the study is ongoing, a new drug becomes commercially available that may have equal or greater benefit to the subject.
- c. You are investigating a new drug for malaria among children in a disease endemic community. As per the protocol, the parents are expected to consent for their children to participate in the research. None of the parents for the enrolled children are literate and cannot read the written consent document.

Q3.

What is *undue influence*, and how does it relate to an evaluation of voluntary, informed consent? – 15 Marks

Q4.

Define the term vulnerable persons as it relates to human subject research. What precautions should be taken when involving vulnerable persons in research. – 15 Marks

Q5.

Discuss the circumstances in which consent may be waived, giving due attention to the considerations and their rationale. [15 marks]

Q6

For each of the following scenarios, decide whether in each scenario the health care practitioner's conduct amounted to medical malpractice or professional negligence, and whether their employer can be held vicariously liable.

- a. A doctor does not inform the husband of a patient, about his wife's contagious venereal disease [3 Marks]
- b. A nurse at a rape crisis clinic shouts out to a patient that they 'do not do abortions on schoolgirls' [3 Marks]
- c. A surgeon operates on a patient in an emergency case, without obtaining an informed consent. [3 Marks]
- d. A psychiatrist does not warn the authorities that a patient intends to carry out suicide bombing in the city. [3 Marks]
- e. A doctor switches prescription drugs for two patients and gives the wrong drug to each patient, and makes one patient to become severely ill. [3 Marks]