

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
BIOMEDICAL SCIENCE AND TECHNOLOGY**

BMET 454: BIOETHICS

STREAMS:

TIME:2 HOURS

DAY/DATE: THURSDAY 13/04/2023

2.30 P.M. –4.30 P.M.

INSTRUCTIONS

Answer question one and any other two questions

QUESTION ONE (30 MARKS)

- a) Explain the different principles of bioethics. (8 marks)
- b) Highlight ethical problems associated with surrogate maternity. (8 marks)
- c) Using ethical theories argue against predictive genetic testing. (8 marks)
- d) Explain the bioethical principles applied in Hippocratic health care ethics. (6 marks)

QUESTION TWO (20 MARKS)

- a) Provide bioethics considerations for embryonic stem cell therapy giving both pro and counter arguments. (10 marks)
- b) Provide ethical consideration in Assisted Reproductive Technology (ARP). (10 marks)

QUESTION THREE (20 MARKS)

- a) Mr. Z is a 39-year-old injection drug user with a history of alcoholism and depression. He presents at an emergency department, insisting that he no longer wishes to live. He repeatedly requests euthanasia on the grounds that he is no longer able to bear his suffering

(although he is not in any physical pain). Explain the bioethical rationale you would use to advise him. (10 marks)

b) Discuss bioethical issues in cloning.

QUESTION FOUR (20 MARKS)

a. Discuss ethical arguments for and against eugenics (10 marks)

b. A person would like to donate an organ to his adorable pet. As bioethicists explain what you would advise him/her. (10 marks)
