

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN BIOMEDICAL TECHNOLOGY

BMET 454: HOSPITAL & LABORATORY MANAGEMENT

STREAMS: BSc Biomedical Sciences Y4S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

8.30A.M. –10.30 A.M.

INSTRUCTIONS:

- i) Answer Question One and ANY OTHER TWO Questions
- ii) Do not write on the question paper

QUESTION ONE (30 marks)

- (a) Outline five conflicts that arise among principle based approaches. (5 marks)
- (b) Outline five main public concerns about genetically modified (GM) crops and GM foods. (5 marks)
- (c) Highlight three ethical issues arising from xenotransplantation especially the use of the hearts of pigs for humans. (3 marks)
- (d) State four issues arising from trying to answer the question, “To whom do medical ethical codes or oaths apply?” (4 marks)
- (e) State three general positions regarding what it means to be dead. (5 marks)
- (f) Briefly describe virtue based approach to ethics. (5 marks)
- (g) Explain why definitions of benefit and harm are not simple in relation to the patient. (5 marks)

QUESTION TWO (20 marks)

- (a) Describe single principle theories as one of the approaches for conflict resolution. (10 marks)
- (b) Describe Prima Facie Duties. (10 marks)

QUESTION THREE (20 marks)

- (a) Outline important safety considerations specific to microbial biotechnology.(8 marks)
- (b) Discuss the Principle of Autonomy Extended in relation to patient’s mental capability.
(12 marks)

QUESTION FOUR (20 marks)

- (a) Discuss dilemmas facing genetic counselors in their line of work. (12 marks)
 - (b) Discuss the Initiation Section of Hippocratic Oath. (8 marks)
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