

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

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

**BMET 340: DRUGS AND FOOD STANDARDIZATION**

**STREAMS:**

**TIME:2 HOURS**

**DAY/DATE: THURSDAY 13/04/2023**

**2.30 P.M. –4.30 P.M.**

**INSTRUCTIONS**

- Answer question ONE (CUMPULSORY) and any other TWO questions.
- Sketch diagrams may be used whenever they may help to illustrate your answer
- Do not write anything on the question paper
- This is a closed book exam. No reference materials are allowed in the examination room.
- There will be No use of mobile phones or any other unauthorized materials.
- Write your answers legible and use your time wisely

**QUESTION ONE (30 MARKS)**

- Briefly explain five (5) factors that contribute to increased cases of drug residues in diary products (5 marks)
- Explain the importance of setting food standards guideline in Kenya (5 marks)
- State five (5) institutions or ministries which are established by law to ensure food and drug safety in Kenya (5 marks)
- Briefly explain the properties of diluents used in preparation of medications (5 marks)
- Briefly explain the functions performance by the table coatings (5 marks)
- Briefly discuss the role of CODEX in formation of international foods standards (5 marks)

**QUESTION TWO (20 MARKS)**

- Discuss ten (10) measures that can help minimize drug residue in dairy food products

(10 marks)

- b. Discuss five (5) different types of standards implemented while processing food and drugs

(10 marks)

**QUESTION THREE (20 MARKS)**

- a. Discuss three tests done to standardize drug content and release (8 marks)

- b. Discuss provisions in Meat Control Act 356, In relation to food production and processing in Kenya (6 marks)

- c. Explain the benefits of food and drug standardization to manufacturers, customers and traders (6 marks)

**QUESTION FOUR (20 MARKS)**

- a. Discuss the role of Kenya plant health inspectorate services (KEPHIS) in ensuring agricultural food products are safe for human consumption (8 marks)

- b. Discuss provisions in the Public Health Act Cap 242, in relation to food production and processing in Kenya (8 marks)

- c. Briefly explain four (4) factors that contributes to increased cases of drug residues in meat products (4 marks)

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