

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

THIRD YEAR SEMESTER TWO EXAMINATION FOR THE DEGREE
OF BACHELORS OF SCIENCE IN BIOIMEDICAL TECHNOLOGY

BMET 340: DRUGS AND FOOD STANDARDIZATION

STREAMS: BMET

TIME: 2 HOURS

DAY/DATE: MONDAY 15/4/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

- Answer Question One and any other Two Questions
- Do not write on the question paper

QUESTION ONE (30 MARKS)

- i) Define the following terms [5 Marks]
- Drug
 - New drug
 - Standards
 - Standards of drugs
 - Standards of food.
- ii) Enumerate four points of interactions between Kenya Bureau of Standards (KEBS) and other agencies as far as Food and Drugs standards are concerned [4 Marks]
- iii) State five sources of chemical contaminants in food. [5 Marks]
- iv) Explain the following terms (10 Marks).
- Withdrawal time.
 - Codex Alimentarius.
 - Acceptable daily intakes
 - Bioavailable residue
 - Tissue, spiked or fortified
- v) Define the following terms; [6 Marks]
- Pharmacopoeia'
 - Germicide

c) Validated method

QUESTION TWO (20 MARKS)

- (i) What is biosafety? Explain the connection between Kenya Bureau of Standards and biosafety. [5 Marks]
- (ii) What are the mandates of Kenya Bureau of Standards as far as Food and Drug Standards are concerned? [15 Marks]

QUESTION THREE (20 MARKS)

- (i) Explain the main sources of chemical contaminants in foods. [10 Marks]
- (ii) Explain the principle of operation of the two instruments fundamentally used in analysis of chemical metabolites in tissues and foods. [10 Marks]

QUESTION FOUR (20 MARKS)

Explain in details the following terms as far as formulary Codex is concerned [20 Marks]

- i. Bound residue
 - ii. Non-extractable residue
 - iii. Temporary Acceptable Daily Intake (TADI)
 - iv. Validated method
 - v. Total residue
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