



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2024/2025

SECOND YEAR SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN FOOD SCIENCE AND TECHNOLOGY

AFT 2504: FOOD SECURITY

DATE: JANUARY 2025

TIME: 1½ HOURS

INSTRUCTIONS:

- Answer Question one and any other two

QUESTION ONE (30 MARKS)

a) Define the following terms:

- Food insecurity (2 Marks)
 - Nutritional status (2 Marks)
- Explain two ways to improve physical and economic access to food in Kenya. (4 Marks)
 - What are the key factors that affect food availability in rural communities? (4 Marks)
 - How do food standards help reduce cases of under-nutrition? (6 Marks)
 - Discuss two roles of the government in ensuring food stability. (6 Marks)
 - Name two causes of food insecurity and suggest how they can be addressed. (6 Marks)

QUESTION TWO (15 MARKS)

- Discuss the link between population growth and food security. Provide examples. (8 Marks)
- How can better family planning improve food security in overpopulated regions? (7 Marks)

QUESTION THREE (15 MARKS)

- Explain two methods used to assess the quality of food in production. (8 Marks)

b) Describe the role of food legislation in maintaining food quality in Kenya. (7 Marks)

QUESTION FOUR (15 MARKS)

a) How can natural disasters like drought affect food security? Explain and provide examples. (8 Marks)

b) What strategies can be employed to mitigate the effects of environmental disasters on food supply? (7 Marks)