



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2024/2025

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE, BACHELOR OF SCIENCE IN HORTICULTURE, BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT, BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION, BACHELOR OF SCIENCE IN EDUCATION SCIENCE.

AAA 3100: INTRODUCTION TO AGRICULTURE AND FOOD SECURITY

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS:

1. Answer Question ONE, and any other TWO

QUESTION ONE (30 MARKS)

- a) Describe any five coping mechanisms for households during droughts and famines (5 marks)
- b) Discuss the social economic impact of climate change in Kenya (5 Marks)
- c) Describe the factors that led to the agricultural revolution in Kenya. (5 marks)
- d) Discuss the characteristics of small holder farming in Kenya (5 Marks)
- e) Discuss five benefits of cash crops to Kenyans national economy (5 Marks)
- f) Explain the functions of essential vitamins in human diet. (5 marks)

QUESTION TWO (20 MARKS)

- a) Discuss five challenges facing the agricultural sector in Kenya. (5 marks)
- b) Explain five household level factors that determine status-of food security (5 Marks)
- c) Explain the causes of food insecurity in the Arid and semi-arid lands (ASAL) of Kenya. (10 Marks)

QUESTION THREE (20 MARKS)

- a) Discuss the importance of food crops in the development of Kenya (10 marks)



- b) Discuss any five agricultural technologies that can be used to promote agricultural production. (10 Marks)

QUESTION FOUR (20 MARKS)

- a) Describe the roles of any five agricultural regulatory organizations in Kenya. (10 Marks)
b) Describe the inherent factors in Kenya that promote food insecurity (10 Marks)

