



# UNIVERSITY OF EMBU

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2016/2017 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

FOURTH YEAR EXAMINATION FOR THE DEGREES OF BACHELOR OF SCIENCE  
IN AGRICULTURAL EDUCATION AND EXTENSION

AEX 404: FOOD ECONOMICS

**DATE: APRIL 6, 2017**

**TIME: 2:00-4:00PM**

**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Questions.**

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**QUESTION ONE (30 MARKS)**

- a) Briefly explain the meaning of the following concepts as used in food economics policy
- i) Food security (2 marks)
  - ii) Food justice (2 marks)
  - iii) Food sovereignty (2 marks)
- b) The FAO food security definition is comprised of four interrelated pillars. Explain (6 marks)
- c) Discuss how education and knowledge policy intervention can enhance households or individuals access to adequate food (6 marks)
- d) Give an account of how environmental factors contribute to food insecurity in Africa (4 marks)
- e) Demonstrate ways in which improving agricultural biodiversity can reduce food insecurity in Kenya (5 marks)
- f) Briefly explain the limitations associated with for food preservation (3 marks)

**QUESTION TWO (20 MARKS)**

- a) Assume that you are a policy maker in the Ministry of Agriculture, how would you ensure gender equality for food security in Kenya (10 marks)
- b) Discuss five priority interventions that can be adopted to foster investment in agriculture food value chains in Africa. (10 marks)

**QUESTION THREE (20 MARKS)**

- a) To contribute more to sustainable change in the African agricultural sector, several fundamental principles and guidelines need to be observed. Explain (6 marks)
- b) Demonstrate how policy to insulate local markets from global markets can contribute to food security in a country (8 marks)
- c) Give an account of how policy interventions for farm input and produce pricing can lead to adequate food supply in any society (6 marks)

**QUESTION FOUR (20 MARKS)**

- a) Discuss various ways in which health constraints affect food supply in Sub-Saharan Africa (12 marks)
- b) Demonstrate how policy frame work for institutions for agricultural resource management can enhance adequate food supply for the households (8 marks)

**QUESTION FIVE (20 MARKS)**

- a) Give an account of strategic interventions to be undertaken to ensure food and nutrition education in schools and institutions in Kenya (5 marks)
- b) Briefly explain how an agricultural extension agent would contribute to the improvement and expansion of on-Farm and off-Farm employment for the rural community. (5 marks)
- c) Why would a food economics policy maker in Kenyan government advocate for food preservation (10 marks)

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