



# **Machakos University**

**University Examination for 2018/19 Academic Year**

**SCHOOL OF AGRICULTURAL SCIENCES**

**DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE**

**Supplementary Examination for Degree in Bachelor of Science in Agribusiness  
Management**

**AGB 402: FOOD AND NUTRITION SECURITY**

**Date:**

**Time:**

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**Instructions: Answer question ONE and any other TWO questions**

## **QUESTION ONE (30 MARKS)**

- a) Define the following terms as used in food security
  - i. Food security (2 marks)
  - ii. Nutritional status (2 marks)
- b) Food losses from production to fork are major cause of food insecurity in Kenya. Describe five interventions that you could recommend to reduce post-harvest losses in Kenya (6 Marks)
- c) With relevant examples and illustration, describe four pillars of food and nutrition security (10 marks)
- d) Assuming the county government of Makeni consulted you to identify the food insecure households for possible policy interventions. Explain step by step on how you will undertake this assignment (10 marks)

**QUESTION TWO (20 MARKS)**

- a) Explain five contributions of trade in in the context of food security (10 marks)
- b) Describe five drivers that impact the functionality of food system to deliver healthy and sustainable diets (10 marks)

**QUESTION 3 (20 MARKS)**

- a) Using examples, explain five agricultural innovations that improve the status of food and nutrition security in Kenya (10 marks)
- b) With relevant examples, explain five causes of food price volatility in Kenya for the last 10 years (10 Marks)

**QUESTION FOUR (20 MARKS)**

- a) Assume you are a food policy advisor in Kitui county where there has been a severe drought for the last 12 months. Describe five categories of people who and why are likely to be the most vulnerable to food insecurity and malnutrition in the county (5 Marks)
- b) Explain possible short-term and medium-term strategies that could be used to support the aforementioned vulnerable people you described in (a) above? (5 Marks)

**QUESTION FIVE (20 MARKS)**

- a) Explain three main components of a sustainable food system that derives healthy and safe food (10 marks)
- b) Describe five major food safety risks in a food system and measures to reduce these risks (10 marks )