# MACHAKOS UNIVERSITY

**University Examinations for 2020/2021 Academic Year**

**SCHOOL OF AGRICULTURAL SCIENCES**

**DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE**

**THIRD/FOURTH YEAR SPECIAL/ SUPPLEMENTARY EXAMINATION FOR**

**BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT**

**AGB 402: FOOD AND NUTRITION SECURITY**

**DATE: 25/3/2021**                                                            **TIME: 2.00-4.00 PM**

**INSTRUCTIONS;**

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

**QUESTION ONE (30 MARKS)**

a)     Explain five measures that support access to food at global level            (5 marks)

b)     With examples, describe five strategies to promote nutrition-sensitive agriculture in Kenya

(5 marks)

c)     With relevant examples and illustration, describe four pillars of food and nutrition security

(10 marks)

d)     Food losses from production to fork are major cause of food insecurity in Kenya. Explain five interventions that you could recommend to reduce post-harvest losses in Kenya

(10 marks)

**QUESTION TWO (20 MARKS)**

a)     With relevant examples, explain the role of agricultural markets and trade in enhancing food security in developing countries            (10 marks)

b)     Assuming the county government of Makueni 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 THREE (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) With relevant examples, explain three components of food system that support food security (10 marks)

b) Assume you are a food policy advisor in Makueni 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)

c) Explain possible short-term and medium-term strategies that you could recommend to cushion aforementioned vulnerable people in (a) above? (5 marks)

**QUESTION FIVE (20 MARKS)**

a) Explain five indicators used to measure food security at the household level (10 marks)

b) Describe five major food safety risks in a food system and measures to reduce these risks (10 marks)