MACHAKOS UNIVERSITY

University Examinations 2018/2019

SCHOOL OF AGRICULTURAL SCIENCES

DEPARTMENT OF AGRIBUSINESS MANAGEMENT AND TRADE

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT

AGB 402: FOOD AND NUTRITION SECURITY

DATE: 15/4/2019   **TIME: 2:00 – 4:00 PM**

INSTRUCTIONS: Answer question ONE and any other TWO questions
QUESTION ONE (COMPULSORY (30 MARKS)

a) Define the following terms as used in food security

    i)   Food security   (1 mark)

    ii) Nutritional status   (1 mark)

    iii) Food safety   (1 mark)

    iv) Food control system   (1 mark)

b) Explain this statement that 'Food availability is necessary but not sufficient condition for food and nutrition security'   (3 marks)

c) Explain five interventions to curb post-harvest losses in Kenya   (5 marks)

d) With relevant examples and illustrations, describe four pillars of food and nutrition security.

(8 marks)

e) 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 TWO (20 MARKS)

a)   Explain five reasons why trade is important in the context of food security in open economy.   (10 marks)

b)   Explain five technologies and innovations in Kenya that boost the status of food and nutrition security.   (10 marks)

QUESTION THREE (20 MARKS)

a)   Describe five drivers that impact the functionality of food system to deliver healthy and sustainable diets.   (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)   Explain three main components of a sustainable food system that drives healthy and safe food   (10 marks)

b)   i) Explain five major food safety risks in a food system.   (5 marks)

        ii) Explain five measures that could reduce food safety risks in a food system mentioned in b (i)   (5 marks)

QUESTION FIVE (20 MARKS)

a)   Describe five interventions to deal with challenges of malnutrition and hidden hunger in Kenya

b)   i)   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 in the county who are likely to be the most vulnerable to food insecurity and malnutrition and why   (5 marks)

        ii)   Explain five possible strategies that could be used to support these vulnerable people you described in (i) above?   (5 marks)