



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

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: 9/11/2020

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Define the following terms as used in Food and Nutrition Security
 - i. Food security (2 marks)
 - ii. Hidden hunger (2 marks)
- a) Explain five reasons why food markets fail especially in developing countries (5 marks)
- b) With examples, describe five strategies to promote nutrition-sensitive agriculture in Kenya (5 marks)
- c) Describe five drivers that impact the functionality of food system to deliver healthy and sustainable diets (5 marks)
- d) Explain five measures that support access to food at global level (5 marks)
- e) Explain six indicators used to measure food security at the household level (6 marks)

QUESTION TWO (20 MARKS)

- a) Using examples, describe three types of food insecurity (3 marks)
- b) Describe the nexus of hidden hunger, poverty and economic development (7 marks)
- c) With relevant examples, explain the role of agricultural markets and trade in enhancing food security in developing countries (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain four importance of food security assessment for a country (4 marks)
- b) Describe three major food safety risks in a food system and effective measures to reduce the mentioned risks in context of developing countries (6 marks)
- c) Assuming the county government of Machakos consulted you to identify the food insecure households for possible policy interventions. Explain step by step how you will apply dietary diversity score approach to carry out the assignment (10 marks)

QUESTION FOUR (20 MARKS)

- a) Describe four types of malnutrition (4 marks)
- b) Explain three ways that could promote an integrated action to improve interactions of agriculture, food systems and health sector in Kenya (6 marks)
- c)
 - (i) With relevant examples, explain five causes of food price volatility in Kenya for the last 10 years (5 marks)
 - (ii) Explain five food and trade policy interventions used by the government to address causes of price volatility mentioned in (c-i) above (5 marks)

QUESTION FIVE (20 MARKS)

- a) Explain four strategies that promote stability of food security at both national and global levels (4 marks)
- b) Describe three components of food system that support food security (6 marks)
- c)
 - (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 who and why are likely to be the vulnerable to food insecurity in the county (5 marks)
 - (ii) Explain five short term coping approaches the affected households in (c-i) above could adopt to tackle challenges of food insecurity (5 marks)