



MACHAKOS UNIVERSITY

University Examinations for 2017/2018 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF AGRIBUSINESS MANAGEMENT

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE IN
AGRIBUSINESS MANAGEMENT**

KBT 308: FOOD AND NUTRITION SECURITY

DATE: 31/7/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTIONS ONE (COMPULSORY) (30 MARKS)

- a) Differentiate between hunger and malnutrition. (2 marks)
- b) Explain four main elements of food and nutrition security assessment. (4 marks)
- c) Urban-vegetable value chains in Nairobi position several public food risks. As an agribusiness advisor explain four ways you would propose to the county government in reducing food and health risks along these chains. (8 marks)
- d) Explain four approaches you could advice your county government to adopt in order to address challenges of malnutrition and hidden hunger. (8 marks)
- e) Explain four ways in which trade liberalization could promote food and nutrition security in Kenya. (8 marks)

QUESTION TWO (20 MARKS)

- a) (i) Explain five key challenges affecting global food system. (5 marks)
- (ii) Explain five policy interventions that could address the challenges mentioned in a(i) above. (5 marks)

- b) Assuming you have been consulted by Machakos County government to find out the proportion of households that are food insecure. Explain step by step on how you could go through the assignment. (10 marks)

QUESTION THREE (20 MARKS)

- a) Explain five drivers of increasing demand for food safety and quality along dairy value chain. (10 marks)
- b) Assuming you intend to encourage adoption of agriculture for nutrition and health approach in your county. Explain five ways you could justify that improved agricultural productivity is likely to influence nutrition and health of population in the county. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain five ways through which sectoral and multi-sectoral growth could reduce childhood malnutrition. (10 marks)
- b) Explain five ways in which the link of agriculture, nutrition and health could be scaled up in order to improve access to nutrition and health for the poor and women. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Kirinyaga County has been experiencing massive food loss and waste. As an agribusiness expert advice the county government on five ways it could adopt in order to cut down food loss and waste in the county. (10 marks)
- b) Using context of aspects of food security, explain five determinants of food and nutrition security. (10 marks)