



# UNIVERSITY OF EMBU

**2019/2020 ACADEMIC YEAR**

**SUPPLEMENTARY/SPECIAL EXAMINATIONS**

**THIRD YEAR SUPPLEMENTARY EXAMINATION FOR THE DEGREE OF BACHELOR OF  
SCIENCE IN AGRICULTURE**

**AFN 311: FOOD SECURITY, LIVELIHOOD AND NUTRITION**

**DATE: OCTOBER 22, 2020**

**TIME: 8:30 AM – 10:30 AM**

**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Questions**

**QUESTION ONE (30 MARKS)**

- a) Define the following terms
- i) Food availability ( 1 mark)
  - ii) Nutritional status ( 1 mark)
  - iii) Livelihood ( 1 mark)
  - iv) Wasting ( 1 mark)
- b) Differentiate between
- i) Gender analysis and gender ( 2 marks)
  - ii) Malnutrition and disaster risk reduction ( 2 marks)
  - iii) Food access and nutrition security ( 2 marks)
- c) Write short notes on the following
- i) Indicators of food insecurity in households (6 marks)
  - ii) Food utilization indicators (5 marks)
  - iii) Capacity and vulnerability analysis (3 marks)
  - iv) Benefits of dry ration feeding during emergencies (6 marks)



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*Knowledge Transforms*



ISO 9001:2015 Certified

**QUESTION TWO (20 MARKS)**

- a) Discuss the following;
- i) The three types of malnutrition (6 marks)
  - ii) Benefits of encouraging community participation in food security programs (4 marks)
  - iii) The situations that require rapid assessment to be conducted (4 marks)
  - iv) Triangulation as a method of re-examining data (6 marks)

**QUESTION THREE (20 MARKS)**

- a). Explain the emerging issues that affect food and nutrition security in Kenya (10 marks)
- b). Describe any five (5) participatory and rapid appraisal (PRA) methods useful for food security and livelihood assessments (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Discuss the importance of eradication of hunger and malnutrition in order to achieve the Sustainable Development Goals (SDGs) (8 marks)
- b) List the objectives of the National Food Security Policy in Kenya (3 marks)
- c) Define the term 'vulnerable and marginalized persons' (3 marks)
- d) Describe the impact of HIV and AIDS on nutrition and food security in Sub-Saharan Africa (6 marks)

**QUESTION FIVE (20 MARKS)**

- a) List the factors to consider when selecting food commodities for feeding programmes (5 marks)
- b) Explain the objectives of targeted supplementary feeding programmes in emergency feeding. (5 marks)
- c) Outline the food availability indicators useful in assessing the status of a population level food security (5 marks)
- d) Write short notes on secondary data review as applied during food security and livelihood assessment (5 marks)

**END**

