



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**FIRST YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE (AGRIBUSINESS, SOIL
SCIENCE, AGRONOMY & AGRICULTURAL EDUCATION) WITH
INFORMATION TECHNOLOGY**

(MAIN CAMPUS)

AAG 102: PRINCIPLES OF FOOD SECURITY

Date: 18th July 2014

Time: 11.00 - 1.00 pm

INSTRUCTIONS:

- This paper comprises of sections A and B.
- Answer ALL questions in section A and any TWO in section B.





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(With IT)**

AAG 102: PRINCIPLES OF FOOD SECURITY

DATE: _____ **TIME: 2 HRS**

INSTRUCTIONS: This paper comprises of sections A and B. Answer **ALL** questions in Section A and any **TWO** in Section B

SECTION A (40 marks): Answer all the questions in this section.

1. Briefly explain the following concepts of food security.
 - a. Physical availability of food (1 mks)
 - b. Access to food (1 mks)
 - c. Food utilization (1 mks)
 - d. Stability (1 mks)
2. Explain the following three types of food security situations.
 - a. Chronic food insecurity (2 mks)
 - b. Transitory food insecurity (2 mks)
 - c. Seasonal food insecurity (2 mks)
3. Define each of the following livelihood framework components.
 - a. Vulnerability context (2 mks)
 - b. Livelihood assets (2 mks)
 - c. Livelihood strategies (2 mks)

- d. Livelihood outcomes (2 mks)
4. Briefly explain the importance of social networks as a livelihood strategy. (2 mks)
5. Briefly outline the role of seasonality as a vulnerability issue in food security. (3 mks)
6. Provide two examples of "coping strategies" employed by households under food insecurity situations. (4 mks)
7. State for each case two examples of how the Government of Kenya solves the following problems:
- a. Insufficient food supplies (2 mks)
 - b. Insufficient access to food (2 mks)
 - c. Ineffective utilization of food (2 mks)
 - d. Instability in food supplies (2 mks)
8. Explain each of the following policy strategies adopted by countries in addressing food insecurity:
- a. Targeted subsidies (1 mks)
 - b. Cash and food for work (1 mks)
 - c. Stocking policies (1 mks)

SECTION B (30 marks): Answer two questions from this section.

9. Explain in detail five threats to food security in Kenya outlining which component of food security is most affected in each case. (15 mks)
10. Discuss the policy responses to low food supply and production and high food prices in the Kenyan context. (15 mks)

11. Describe the role of policies (3 policies) and institutions (2 institutions) in reducing vulnerability to food insecurity in Kenya. (15 mks)

12. Discuss the Early Warning Approach in Food Security analysis in terms of objectives, context of application, methods of data collection and analysis, use, strength and weaknesses. (15 mks)