



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN  
FOOD SECURITY, BACHELOR OF SCIENCE IN HORTICULTURE AND BACHELOR  
OF SCIENCE AGRIBUSINESS MANAGEMENT**

**FIRST YEAR FIRST SEMESTER 2016/2017 ACADEMIC YEAR**

**REGULAR**

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**COURSE CODE: AAE 3113**

**COURSE TITLE: FARMING SYSTEMS AND RURAL LIVELIHOOD**

**EXAM VENUE: LAB 3**

**STREAM: BSc (Food Security, Horticulture,  
Agribusiness Management)**

**DATE: 14/12/16**

**EXAM SESSION: 9.00 – 11.00 AM**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer ALL question in Section A (compulsory) and ANY other TWO questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

**SECTION-A: = 30 Marks; Answer ALL Questions from this section.**

1. Define the following Farming and Rural livelihood terminologies;
  - (i) Safety nets (3 Marks)
  - (ii) Hungry season (3 Marks)
  - (iii) Shocks (2 Marks)
  - (iv) Trends (2 Marks)
2. (i) Outline briefly the spectrum of livelihood vulnerability and strategy. (6 Marks)  
(ii) Briefly discuss that the livelihood framework is based upon. (4 Marks)
3. About 75% of the world's poorest people live in the rural areas and they depend on agriculture as a source of livelihood.
  - (i) State **FOUR** fundamental roles of agriculture in poverty eradication. (4 Marks)
  - (ii) Briefly discuss **FOUR** detrimental trends which have risen in relation to cash crop as an important aspect of production consumption linkage. (6 Marks)

**SECTION B = 40 Marks; Answer any TWO Questions from this section.**

4. You have been recruited by A Non-Governmental organization (NGO) as a livelihood officer to work with the local community in Bondo Sub-county.
  - (i) With relevant examples describe five key categories of livelihood assets that the community depends on. (10 Marks)
  - (ii) Discuss any four sustainable livelihood opportunities that you will promote in the community. (6 Marks)
  - (iii) Outline any **FOUR** coping strategies that **MAY NOT** sustain the community through periods of adversity like droughts, disease outbreaks and floods. (4 Marks)

5. Agri-food system comprises the set of factors and relationships that interact and determine what and how much, by what method and of whom food is produced, processed and distributed.
- (i) State and discuss three (3) categories of food systems. **(6 Marks)**
  - (ii) Discuss the impacts of the following aspects on agri-food systems. **(8 Marks)**
    - (a) Globalisation and trade liberalization
    - (b) Urbanisation and feeding the cities.
  - (iii) Discuss Three ingredients for advancing the interests of developing countries in the period of globalisation and trade liberalization. **(6 Marks)**
6. (i) Briefly describe **FOUR** factors that determine the choice of a farming system. **(6 Marks)**
- (ii) Discuss **THREE** drives influencing farming systems evolution in Sub-Saharan Africa. **(6 Marks)**
- (iii) Discuss the following the farming systems as found in Sub-Saharan.
- (a) Maize mixed Farming systems **( 4 Marks)**
  - (b) Pastoral Farming systems **(4 Marks)**