



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**FIRST YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR
THE DEGREE OF BACHELOR OF SCIENCE IN AGRIBUSINESS
MANAGEMENT AND BACHELOR OF SCIENCE IN FOOD SECURITY**

2018/2019 ACADEMIC YEAR

REGULAR

COURSE CODE: AAE 3113

COURSE TITLE: FARMING SYSTEMS AND RURAL LIVELIHOODS

EXAM VENUE: STREAM: BSc. (Agribus. and Food Security)

DATE: EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on 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 and give the objectives of farming systems **(4Marks)**

2. Explain the categories of farming systems **(5 Marks)**
3. Discuss the main household strategies to improve livelihoods **(5 Marks)**
4. Explain the following terms as used in land use planning.
 - a) Agro ecological zoning **(2Marks)**
 - b) Land evaluation **(2 Marks)**
 - c) Sustainable land use **(2 Marks)**

5. Explain how high level social capital can substantially add to human capital. **(4 Marks)**

6. Explain the following terms showing their contribution to food security.
 - a) Household per capita **(2 Marks)**
 - b) Consumption of major crop **(2 Marks)**
 - c) Production of major crop **(2 Marks)**

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

7. Livelihoods are the sum of ways in which people make a living. Discuss 5 rural livelihood assets and opportunities **(20 marks)**

8. Land degradation has far reaching implications on food security in the third world, discuss. **(20 marks)**

9. Challenges and opportunities in Production for Rural Livelihoods exist. Discuss this topic under the following topics: **(20 marks)**
 - a) Climate change
 - b) Urbanization
 - c) Role of agricultural information
 - d) Bio-fuel
 - e) Population, migration as related to climate change