



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN AGRICULTURAL EXTENSION AND EDUCATION,
BACHELOR OF SCIENCE IN AGRIBUSINESS MANAGEMENT AND BACHELOR OF
SCIENCE IN FOOD SECURITY
2016/2017 ACADEMIC YEAR**

REGULAR

COURSE CODE: APT 3114

COURSE TITLE: INTRODUCTION TO AGRICULTURE

EXAM VENUE: LAB 3 & LAB 4

**STREAM: (BSC. Agric. Ext. Educ. & BSC.
Agribusiness management & BSC. Food Security)**

DATE: 15/12/16

EXAM SESSION: 2.00 – 4.00PM

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 in this section

1. Explain the origin of agriculture. **[2 marks].**
2. Explain what is meant by land tenure. **[5 marks].**
3. Explain the role of agriculture in economic development. **[8 marks]**
4. Describe the characteristics and crops grown in wet equatorial climate. **[6 marks].**
5. Explain fallow and ranching systems of agricultural production. **[6marks]**
6. List the problems encountered in marketing of agricultural produce. **[3 marks]**

SECTION B

[40 Marks]

Answer ANY TWO Questions in this section

7. Discuss the importance of agro – processing and value addition to farm production in the agricultural sector. **[20 marks].**
8. Discuss post – independent agricultural change in Kenya, mentioning the challenges of Vision 2030. **[20marks].**
- 9a. Explain the role of biotechnology in agriculture. **[10 marks]**
- b. Describe climatic factors affecting agricultural produce in storage. **[10 marks]**