



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

**FOURTH YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE
DEGREE OF BACHELOR OF SCIENCE IN FOOD SECURITY**

2016/2017 ACADEMIC YEAR

REGULAR

COURSE CODE: AEE 3423

COURSE TITLE: EXTENSION APPROACHES AND COMMUNITY OUTREACH

EXAM VENUE: LAB 14

STREAM: BSc. (Food security)

DATE: 20/12/16

EXAM SESSION: 9.00 – 11.00 AM

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. For agriculture extension to be effective in addressing farming and food security there is need to understand social issues and the social nature of farming and the social nature of technology adoption.
 - i) State and briefly explain **FOUR** social principles of agriculture extension. (4 Marks)
 - ii) Briefly explain the **FOUR** operational principles of extension. (6 Marks)
2. Extension methods comprise the communication techniques between extension workers and target groups.
 - (i) Name **Four** aspects that influence the choice of any extension method. (4 Marks)
 - (ii) List the **Four** basic qualities that learning objectives must contain. (4 Marks)
 - (iii) Why should provisions be made for opportunity to use a variety of extension methods. (2 Marks)
3. Mass Media has a great influence over peoples thought and actions but they seldom bring about changes in behavior due the selective nature sender and receivers employ when using them.
 - (a) State and explain briefly **FOUR** selective aspects of Mass media and how they impact on their effectiveness. (6 Marks)
 - (b) Outline **FOUR** advantages of mass media as used to disseminate extension messages. (4 Marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

4. Innovation platforms are ways to bring together different stakeholders to identify solutions to common problems or to achieve common goals.
 - (i) Describe the process of forming an innovation platform. (10 Marks)
 - (ii) Describe the dynamism of an Innovation Platform. (5 Marks)
 - (ii) What are the benefits of an innovation platform. (5 Marks)

5. The Farmer Field School (FFS) approach is an innovative, participatory and interactive learning approach that emphasizes problem solving and discovery based learning. As an extension officer you have been tasked with establishing Farmer Field School (FFS) on production and utilization of Orange Fleshed Sweet Potatoes.

(i) Outline **Five** key principles that will guide you in establishing the FFS. (5 Marks)

(ii) Describe the key steps that you will follow to establish and conducts the FFS. . (15 Marks)

6. Participatory Rural Appraisal (PRA) is a family of approaches and methods that enable people present, share and analyze their knowledge of life and conditions to plan and act.

(a) State and explain briefly **FOUR** principles of PRA . (4 Marks)

(b) Name and discuss the roles of **TWO** PRA team members. (4 Marks)

(c) Identify and briefly discuss any **FOUR** “tools” of the Participatory Rural Appraisal (PRA) approach to extension. (12 Marks)