



**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**

2018/2019 ACADEMIC YEAR

REGULAR

COURSE CODE: AEE 3423

COURSE TITLE: EXTENSION APPROACHES AND COMMUNITY OUTREACH

EXAM VENUE: STREAM: BSc. (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.
 - i) Briefly explain **FOUR** roles of agricultural extension. **(4 Marks)**
 - ii) Briefly explain the **FOUR** operational principles of agricultural extension. **(6 Marks)**
2. Farm and home visits are essential elements of agricultural extension and often constitute 50% of the extension agent's activities.
 - (i) Highlight **FIVE** purposes of Farm and home visits. **(5 Marks)**
 - (ii) Briefly describe **HOW** an extension agent prepares for a Farm and Home visits. **(5 Marks)**
3. A method demonstration allows farmers to experience and learn a technique.
 - (i) Briefly outline the **KEY STEPS** in carrying out a method demonstration. **(6 Marks)**
 - (ii) State **FOUR** challenges of a method demonstration. **(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. As an extension officer you have been tasked with establishing Farmer Field School (FFS) on Climate Smart agriculture in your local area.
 - (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 conduct 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) Discuss the roles and the attitudes of following PRA team members.
 - i) PRA Team Leader **(4 Marks)**
 - ii) PRA Facilitator **(4 Marks)**
 - (b) Discuss the following PRA "tools".
 - i) Resource map **(3 Marks)**
 - ii) Daily activity clocks **(3 Marks)**
 - iii) Daily income and expenditure matrix **(3 Marks)**
 - iv) Resource cards **(3 Marks)**