



**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**

**FOURTH YEAR SECOND SEMESTER 2017/2018 ACADEMIC YEAR**

**REGULAR**

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**COURSE CODE: AEE 3423**

**COURSE TITLE: EXTENSION APPROACHES AND COMMUNITY OUTREACH**

**EXAM VENUE: STREAM: BSc. Food Security**

**DATE: EXAM SESSION:**

**TIME: 2.00 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.
  - 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)**