



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

**FIRST YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF
MASTER OF SCIENCE IN AGRICULTURAL EXTENSION
2024/2025 ACADEMIC YEAR**

COURSE CODE: AEE 5125

STREAM: MSc. Agricultural Extension

COURSE TITLE: Extension Programme Development and Implementation

EXAM:

VENUE:

DATE:

EXAM SESSION:

TIME:

Instructions:

1. Answer question **ONE** and any other **TWO** questions.
2. Answers to questions must be written in the answer booklets.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

COMPULSORY QUESTION

1. a) Define the following terms as applied in programme planning and implantation. (9 Marks)
 - i. Programme goals
 - ii. Situation
 - iii. Programme problem
- b) Describe **FIVE** objectives of project planning. (5 Marks)
- c) Describe **THREE** types of extension program. Give an example of each type. (6 Marks)

CHOOSE ANY TWO QUESTIONS

2. As the County Director of Agriculture, Siaya County the governor has tasked you with the role of developing a new extension project targeting the youth in the county. Part of the work includes contacting a stakeholder analysis and a need assessment.
 - a. Outline **FOUR** principles that you will guide you in designing a successful project. (4 Marks)
 - b. Describe step by step the process of conducting stakeholder analysis for the project. (10 Marks)
 - c. Discuss any **THREE** methods you will use to conduct project need assessment. Provide a rationale for each method. (6 Marks)
3. You are the Chief of Party of a Catholic Relief Services Food security program. Recently one of you major donors has withdrawn his/her funds due to political changes. As a team leader you are expected to mobilise resources to cover the deficit and facilitate the program implementation.
 - a. Discuss how you will carry out resource mobilisation for your program. (10 Marks)
 - b. Discuss other **FOUR** challenges that your program may experience. Suggest possible solutions for each challenge. (10 Marks)
4. To ensure successful program implementation in a community, it is essential to establish an appropriate environment for program execution ahead of time. This includes ground preparation and choosing the right extension approaches for the program.
 - a. Discuss ground preparation process for a new extension program. (10 Marks)
 - b. Discuss factors considered in selecting appropriate extension methods. (10 Marks)
5. Local leaders play significant roles in program implementation and therefore extension workers should keen in choosing them.
 - a. Discuss the procedure for selecting local leaders. (10 Marks)

- b. Name **FIVE** stakeholders and discuss the role they will play in program implementation. (10 Marks)