



**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,**

THIRD YEAR SECOND SEMESTER 2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: AFB 3322

COURSE TITLE: PROGRAM PLANNING AND EVALUATION

EXAM VENUE: STREAM: BSc (Food Security)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

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. Define the following terms:
 - a. Needs assessment [1 Mark]
 - b. Program planning [2 Marks]
2. Give three main reason why the agricultural extension programs are evaluated. [3 Marks]
3. Explain the two different forms of planning used when designing agricultural extension programs. [4 Marks]
4. Briefly explain the five major stages in planning? [5 Marks]
5. Briefly explain two major types of program evaluation? [5 Marks]
6. Differentiate between the terms validity and reliability as used in the development of evaluation instruments. [5 Marks]
7. Why is the knowledge of program evaluation important to livelihoods/food security officers? [5 Marks]

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

8.
 - a. Explain the five key steps in needs assessment and cite relevant example? [10 Marks]
 - b. What are the most appropriate times to conduct program evaluation? [10 Marks]
9.
 - a. Explain any of the five elements of a logic model as used in program planning phase? [10 Marks]
 - b. Why is the logic model used in program planning and development? [10 Marks]
10.
 - a. Describe five data collection techniques used in program planning and evaluation? [10 Marks]
 - b. Illustrate five major types of random/ probability sampling techniques used in program evaluation. [10 Marks]