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 reasons 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 Mark

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 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]