JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN FOOD SECURITY
2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: AFB 3312

COURSE TITLE: RESEARCH METHODS IN FOOD SECURITY

EXAM VENUE: LR 16   **STREAM: BSc. Food Security**

DATE: 13/12/17   **EXAM SESSION: 2.00 – 4.00PM**

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.

QUESTION ONE [SIX MARKS]

State meanings of the following terms:

        a. Population   [2 Marks]

        b. Sample   [2 Marks]

        c. Problem statement [2 Marks]

QUESTION TWO [SIX MARKS]

State three characteristics of:

i. Good purpose statement [3 marks]

ii. Good hypothesis [3 marks]

QUESTION THREE [NINE MARKS]

a. List four indicators of a good review of literature [4marks]

b. Identify three sources of literature review [3 marks]

QUESTION FOUR [NINE MARKS]

a. i. Distinguish between qualitative and quantitative research [2 marks]

ii. Define descriptive statistics and identify two types [3 marks]

b. i. What is correlational research [2 marks]

  ii. State two purposes of correlational research [2 marks]

SECTION B: [40 MARKS]

Answer ANY TWO questions from this Section.

QUESTION FIVE [20 MARKS]

a. i. Briefly state the purpose of evaluation research [2 marks]

ii. Briefly describe three types of observational research [6 marks]

b. i. Outline two biased statements a researcher may use in expressing the purpose of a study [2 marks]

ii. Outline two neutral statements allowed in expressing the purpose of a study [2 marks]

c. i. Outline steps taking in managing raw data from the field [4 mark]

ii. What are measures of variability [2marks]

iii. Explain the information a researcher can derive from measures of variability [2 marks]

QUESTION SIX [20 MARKS]

a. Discuss the importance of literature review [6 marks]

ii. Identify and briefly explain two sources of literature review [6 marks]

b. Identify two methods of referencing within a text [4 marks]

c. Identify the type of referencing that has been used in the following texts [4 marks]

i. Mugenda, O. (1999). *Redefining and Actualizing the Research Mission in African Universities*. Paper presented at the BOLESWA Educational Research Symposium, Maseru, Lesotho, July, 1999.

ii. Among social factors that affect influence perception, personal grooming has been found to relate directly to positive first impression (Mary and Young, 2016)

QUESTION SEVEN [20 MARKS]

a. Define evaluation research stating its purpose [5 marks]

b. Explain three types of evaluation research [9 marks]

c. Distinguish between descriptive and comparative research [6 marks]

QUESTION EIGHT [20 MARKS]

a. i. What is sampling procedure [1mark]

ii. Briefly explain why random sampling in preferred in sampling process [3 marks]

b. i. Describe the steps involved in stratified random sampling [6 marks]

ii. Distinguish between systematic and stratified random sampling [6 marks]

c. Interview method is commonly used in data collection. Outline reasons why this is so [4marks]