



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**FOURTH YEAR SECOND SEMESTER UNIVERSITY EXAMINATION
FOR THE DEGREE OF BACHELOR OF SCIENCE IN FOOD SECURITY
2016/2017 ACADEMIC YEAR**

REGULAR

COURSE CODE: AFB 3422

COURSE TITLE: FOOD QUALITY ASSUARANCE AND CONTROL

EXAM VENUE:

STREAM: BSc. FOOD SECURITY

DATE:

EXAM SESSION:

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.

1. Define the following terms with examples:
 - a. Food quality assurance (2 Marks)
 - b. Food safety (2 Marks)
 - c. Food quality control (2 Marks)
2. Briefly explain the factors that have influenced operations in the food industry since the 1970's (6 Marks)
3. Briefly define the following quality measures
 - a. Food audit (2 marks)
 - b. Best practice (2 marks)
 - c. Compliance (2 mark)
 - d. Concession (2 mark)
 - e. Consumer (2 marks)
4. State the common examples of food quality characteristics (8 Marks)

SECTION B [40 MARKS]

Answer ANY TWO questions from this Section.

5. Several tools and techniques have been developed in the food industry to evaluate customer satisfaction. Discuss, (20 Marks)
6. State and discuss food quality principles and the deming philosophy (20 Marks)
7. Discuss the application of international organization for standard in kenya (20 marks)
8. Discuss the following statistical tools in quality control
 - a. Control charts 1 10 marks
 - b. Sampling 10 marks