



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**

2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: AFB 3424

COURSE TITLE: FOOD PACKAGING, STORAGE AND DISTRIBUTION

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

Answer all questions in this section

QUESTION ONE

- a) Explain the meaning of the following terms as used in the food industry
- i. Agglomeration (2 marks)
 - ii. Package labeling (2 marks)
 - iii. Source reduction (2 marks)
 - iv. Food contamination (2 marks)
 - v. Food packaging (2 marks)
- b) Highlight the practices that customers should follow in order to properly store and handle their
Commercially packed products at home (10 marks)
- c) Explain the fundamental rules that guides and regulates the packaging of food materials (10 marks)

SECTION B

Answer only 2 questions in this section

QUESTION TWO

- a) Explain the guidelines for management of packaging materials (10 marks)
- b) Highlight the problems that producers encounter while distributing food in rural Kenya (10 marks)

QUESTION THREE

- a) What factors should a person consider while purchasing packed food (10 marks)
- b) Food contamination refers to the presence in food of harmful chemicals and microorganisms
which can cause consumer illness. Explain the sources of food contamination (10 marks)

QUESTION FOUR

- a) Explain the importance of packaging food items (10 marks)
- b) Explain five emerging trends in the food packaging industry (10 marks)

QUESTION FIVE

Explain the various forms of food packaging materials highlighting their characteristics, applications and effectiveness. (20 marks)