



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
COMMUNITY HEALTH AND DEVELOPMENT
4th YEAR 2nd SEMESTER 2019/2020 ACADEMIC YEAR
SPECIAL EXAMINATIONS NOV. 2020

COURSE CODE: HPD3421

COURSE TITLE: Food Technology and Hygiene.

EXAM VENUE:

STREAM: (Bsc. P.Health & Comm. Health & Dev.)

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 2 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. (30MARKS)

1. Define the following terminologies as used in food technology and hygiene. (4marks)

- a) Pickling.
- b) Risk management.
- c) Hygiene
- d) Blanching.

2. State and briefly explain FIVE categories of food related hazards in a public domain. (5marks)

3. Briefly state the outcome of ensuring proper food preservations. (5marks)

4. Outline FIVE objectives of food blanching. (5marks)

5. Briefly outline FIVE important means of controlling bacteria, yeast and mould in food. (5marks).

6. State and explain the impact of probable organisms that may definitely be harbored by human. (6marks).

SECTION B. (40MARKS)

1. a. Describe the outstanding factors that may affect the microbial growth in food, (15marks)

b. state the significant of radiation and use of microwave application as a food preservation method. (5marks)

2. HACCP is a tool to assess hazards and establish control systems than focus on preservation rather than relying on end product tests. HACCP IS applied through the food chain, from primary production to final consumption. HACCP has seven principles. Discuss. (20marks)

3. a. State and briefly explain the general methods of food preservation in Kenya. (10 marks).

b. Management is charged with the responsibility of ensuring hygienic practices of employees. An established protocol for employees which indicates proper personal hygiene and health practices should be provided by the management. You are invited as a community health vocal person and as public health officer in this area to give a health talk to the management on possible practices that should be conducted by employees to assure personal hygiene. Outline the themes of redress in these aspects. (10marks)