



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
NAMBALE CAMPUS
UNIVERSITY EXAMINATIONS 2018
FOURTH YEAR SECOND SEMESTER END OF SEMESTER EXAMS FOR DEGREE
OF BACHELOR OF SCIENCE IN PUBLIC HEALTH**

COURSE CODE: HPD 3421

COURSE TITLE: FOOD TECHNOLOGY AND HYGIENE

EXAM VENUE:

STREAM:

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer all the questions in Section 'A' and ANY other two questions in Section 'B' each contain 20 marks**
- 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: ANSWER ALL THE QUESTIONS IN THIS SESSION (30 MARKS)

1. Define the following terms (4 marks)
 - a. Epigenetic inference
 - b. Blanching
2. What are the advantages of chlorine as means treating water? (2 mark)
3. Name **FOUR** ways in which food can be contaminated when being distributed (2 marks)
4. An ideal preservative should meet the following criteria; name **FOUR** (2 marks)
5. Give some reasons for knowing the physical property of food (2 marks)
6. Outline **FOUR** offences that are punishable by law on food safety (2 marks)
7. Using examples differentiate between a food act and regulations (4 marks)
8. Why is there limited access to adequate water supply in different communities (4 marks)
9. Identify ways in which biotechnology can be used in improving animal nutrition (4 marks)
10. Name some of bacteriological methods of analysing water (4 marks)

SECTION B: ANSWER ONLY TWO QUESTIONS IN THIS SESSION (40 MARKS)

1. a) Describe the different chemical properties of food additives? (10 marks)
b) Why is it important to use technology in analysing food? (10 marks)
2. a) Explain some of the principles of food preservation? (10 marks)
b) Discuss some of the offenses in food act punishable by law? (10 marks)
3. a) How is technology used to improve quality and quantity of food? (10 marks)
b) Discuss **FIVE** criteria that an ideal food preservative should meet? (10 marks)
4. a) Discuss **FIVE** principles of food hygiene (10 marks)
b) Discuss ways of improving the breeding stock of animals (10 marks)