



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
PLANTS, ANIMALS AND FOOD SCIENCES
3RD YEAR 2ND SEMESTER 2020/2021 ACADEMIC YEAR
SIAYA CAMPUS

COURSE CODE: PNB 9301

COURSE TITLE: WATER HEALTH AND SANITATION

EXAM VENUE: STREAM :(BSc AGRICULTURE)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A each contain 3 marks 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”

1. Explains why it is important to adopt a harmonized set of drinking-water and sanitation questions in household surveys. (3 marks)
2. Illustrate the most common effects of contaminated food on health. (3marks)
3. Define the classifications of drinking-water and sanitation technologies as “improved” or “unimproved,” and provides definitions for such technologies. (3marks)
4. What are the main five food safety rules(3marks)
5. What are the four main types of hazards. (3marks)
6. Illustrate the importance of maintaining food safety in a community (3 marks)
7. Describe the main causes of malnutrition in children below 5 years (3marks).
8. What actions a community can undertake to maintain food safety (3marks)
9. Describe the three main types of contamination in urban set up (3marks)
10. What is the impact of rising food prices on farmers and producers (3marks)

SECTION “B”

- 1). Discuss the main reasons for sanitation. (10 marks)
 - b) Discuss the four main types of sanitation in Kenya(10marks)
- 2) Discuss five elements of sanitation (10 marks)
 - b) Discuss connection between higher food prices and the rise of poverty (10marks)
- 3). Using examples, explain the purpose of cleaning and sanitation. (10 marks)
 - b) What the three main reasons why food safety and sanitation are important. (10marks)