



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

KAS 412: PUBLIC HEALTH

DATE: Friday, 21st May 2021

TIME: 2.00 p.m. - 4.00 p.m.

INSTRUCTIONS:

Answer ALL questions in Section A and any TWO questions in Section B. Within a Section ALL questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A - (40 MARKS)

1. (a) Differentiate 'Public health' from 'Clinical medicine'. (2 marks)
(b) State three principles of public health. (3 marks)
2. Define the following terms:
(a) Food hygiene
(b) Food safety
(c) Sanitation
(d) Environmental hygiene
(e) Pollutant (5 marks)
3. Outline five principles of Hazard Analysis Critical Control Point (HACCP) system. (5 marks)
4. Outline the steps to production of quality milk at the farm level. (5 marks)
5. Briefly describe the quality control tests done on raw milk. (5 marks)
6. Explain the effect of poor handling on the quality of fish. (5 marks)
7. Explain the term 'dressing percentage' and its implication in meat trade. (5 marks)
8. Outline the five outcomes of ante mortem inspection in meat hygiene practice. (5 marks)

SECTION B: Answer any Two Questions (30 marks)

9. Discuss food borne infections under the following sub titles:
- (a) Principles of food borne infections. (3 marks)
 - (b) The types and causes of food borne infections. (4 marks)
 - (c) The methods used in the control and prevention of food borne infections. (8 marks)
10. Discuss the methods used to dispose solid slaughterhouse wastes. (15 marks)
11. Discuss the relationship between livestock agriculture and greenhouse emissions. (15 marks)