



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE (ANIMAL HEALTH AND PRODUCTION)

KAS 408: ZOONOSIS AND ONE HEALTH

DATE: Tuesday, 3rd November 2020

TIME: 8.00 a.m. - 10.00 a.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) Answer all the questions in this section

1. Explain the classification of zoonotic diseases based on the reservoir. (5 Marks)
2. Explain the occurrence and transmission of Toxoplasmosis. (5 Marks)
3. Explain the control cysticercosis. (5 Marks)
4. Outline the clinical signs of psittacosis in birds. (5 Marks)
5. Outline the principles of one health. (5 Marks)
6. Outline the precautions taken when handling a patient with a highly infectious and contagious disease. (5 Marks)
7. Q fever can be described as an occupational hazard. Explain this statement. (5 Marks)
8. Outline the factors that may contribute to the transmission of hydatid disease. (5 Marks)

SECTION B - (30 MARKS) Answer any two questions in this section

9. Discuss Rift Valley fever under the following headings:
 - a) Etiology
 - b) Mode of transmission

INVOLVEMENT IN ANY EXAMINATION IRREGULARITY SHALL LEAD TO DISCONTINUATION

c) Clinical signs in animals

(15 Marks)

10. Discuss Brucellosis under the following sub-headings:

a) Etiology

b) Mode of transmission

c) Clinical signs in animals

d) Symptoms in humans

e) Control and prevention

(15 Marks)

11. Discuss the factors that contribute to the development of antimicrobial resistance.

(15 Marks)