

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH
AND PRODUCTION**

ANHE 00135: ZONOSSES AND THE ONE HEALTH CONCEPT

STREAMS: CERT (ANHE)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/8/2019

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

SECTION A: ATTEMPT ALL QUESTIONS (40 MARKS)

1. Define the following concepts
 - (a) Direct zoonosis [2 marks]
 - (b) Obligatory cyclozoonosis [1 mark]
 - (c) Saprozoonosis [2 marks]
2. Differentiate the emerging and re-emerging zoonoses giving an example in each [5 marks]
3. Define the one-health concept and state its significance [5 marks]
4. List 5 clinical signs of Bovine Spongiform Encephalopathy [5 marks]
5. Describe anthrax under the following
 - (a) Sources of anthrax infections to humans [2 marks]
 - (b) Various clinical forms of anthrax in humans [6 marks]
6. Describe brucellosis in man under the following topics:
 - (a) Etiology and transmission [4 marks]

- (b) Clinical signs [5 marks]

SECTION B: ATTEMPT 2 QUESTIONS – 30 MARKS

8. Describe Rabies under the following topics
- (a) The cycle of rabies between wild and domestic populations [4 marks]
 - (b) Sources of infection to humans [2 marks]
 - (c) Clinical signs in humans [5 marks]
 - (d) Using one health approach to control rabies [4 marks]
9. Describe Rift Valley fever under
- (a) Etiology and transmission [3 marks]
 - (b) Clinical signs of Rift valley fever in humans [4 marks]
 - (c) Clinical signs in cattle [4 marks]
 - (d) Control methods [4 marks]
10. Describe taeniasis under the following topics:
- (a) Etiology and transmission [5 marks]
 - (b) Life cycle of *Taenia saginata* [5 marks]
 - (c) Five clinical signs in man [5 marks]
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