

CHUKA



UNIVERSITY

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## UNIVERSITY EXAMINATIONS

### EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

**ANHE 322: MICROBIAL DISEASES**

**STREAMS: BSC (ANHE)**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 03/12/2019**

**11.30 AM – 1.30 PM**

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#### INSTRUCTIONS:

- **Attempt all questions in section A and any other two in section B**
- **Do not write on the question paper. All rough work must be done on the answer booklet and then crossed.**

#### SECTION A (30 MARKS)

1. Give five factors that influence the spread of diseases. [5 marks]
2. Indicate the circumstances that predispose an animal to botulism. [2 marks]
3. Anthrax is an occupational hazard to practitioners in animal resource industry. Explain this statement giving the best way of handling this disease. [5 marks]
4. Enumerate 8 (eight) procedures necessary in the control of infectious diseases in farm animals. [8 marks]
5. Explain why Orf is a devastating disease in goat production, and give the best practices in the treatment and control of the disease. [10 marks]

#### SECTION B (40 MARKS)

6. (a) Describe the diagnostic procedures for trypanosomiasis. [10 marks]
- (b) Describe the modes of transmission of rabies and describe the phases of this disease. [10 marks]

marks]

7. (a) Give four differential diagnosis and discuss one disease of a calf presenting the following clinical signs. Moist, painful cough, severe inspiratory dyspnea, open-stride and mouth breathing with the head and neck extended and loud inspiratory yellow necrotic ulcers in the mouth.

[10 marks]

- (b) Discuss pink eye disease.

[10 marks]

8. Discuss the following diseases in cattle:

- (a) Ring worm

[10 marks]

- (b) Heartwater

[10 marks]

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