

CHUKA



UNIVERSITY

---

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF DEGREE OF  
BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

**ANHE 322: MICROBIAL DISEASES**

**STREAMS: BSC (ANSC)**

**TIME: 2 HOURS**

**DAY/DATE: MONDAY 03/12/2018**

**2.30 PM – 4.30 PM**

---

**INSTRUCTIONS:**

- **Answer ALL Questions in Section A and any other Two in Section B**
- **Use a pencil where necessary**
- **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. (a) Give five behavioral parameters used during examination of animal health. [5 marks]
- (b) Distinguish between vectors, intermediate hosts and mechanical carriers of diseases. [6 marks]
- (c) Explain the significance of extension services in diseases control. [4 marks]
- (d) Describe the African swine fever. [3 marks]
- (e) Indicate how botulism is acquired by animals and give the mode of treatment. [3 marks]
- (f) What is the risk of subclinical mastitis in cows. [3 marks]
- (g) Name two causative agents of foot rot. [2 marks]

- (h) State four clinical signs of pasteurellosis. [4 marks]

**SECTION B (40 MARKS)**

2. (a) Discuss the epidemiology and mode of transmission of Peste des petis ruminants. [8 marks]

- (b) Using three clinical signs in each case, distinguish between prodromal, paralytic and furious forms of rabies. [8 marks]

- (c) Describe the mode of transmission of calf diphtheria. [4 marks]

3. Describe the clinical signs of the following diseases.

- (a) Hyperacute mastitis [5 marks]

- (b) Contagious caprine pleuripneumoia [8 marks]

- (c) Trypanosomiasis [7 marks]

4. A farmer in within Chuka University environs reports the following observations from his cow; staggering, trembling, difficult breathing, collapse, convulsions and sudden death in about 1-2 hours.

- (a) Stating the causative agents, name five differential diagnosis of this condition. [10 marks]

- (b) Using one example in (a) above, explain the best practices of handling such a cadaver. [10 marks]
-