

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
AGRICULTURE, FOOD SCIENCE AND TECHNOLOGY AND BACHELOR OF
SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION**

ANHE 426/427: INTRODCUTION TO ANIMAL DISEASES

STREAMS:

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/12/2019

8.30 A.M – 10.30 A.M

INSTRUCTIONS

Answer all questions in section A and any two questions in section B

SECTION A: (30 MARKS)

1. Define the following terms as used in animal diseases. [5 marks]
 - (a) Diseases
 - (b) Pathology
 - (c) Zoonosis
 - (d) Sydrome
 - (e) Signs
2. Describe five clinical signs in a cattle suffering from Rift Valley Fever. [5 marks]
3. Describe the animal and environment risk factors to infectious necrotic hepatitis (black disease) in sheep. [5 marks]
4. Give any five clinical signs of Johne's disease (paratuberculosis) in cattle. [5 marks]
5. Explain why although molluscicides can be used to reduce lymnaeid snail populations still have restricted use in the control of fascioliasis in sheep. [5 marks]
6. Differentiate between actinomycosis and actinobacillosis in terms of the following
 - (a) Common name [1 mark]
 - (b) Etiological agent [2 marks]
 - (c) Main clinical signs [2 marks]

SECTION B (40 MARKS)

7. (a) Define production diseases. [1 mark]
- (b) Write short notes on parturient paresis under the following;
- (i) Etiology [2 marks]
 - (ii) Risk factors [4 marks]
 - (iii) Clinical signs [3 marks]
8. During agricultural extension activities you visit a farmer who is practicing commercial poultry (layers) farming. The farmers complain that their sudden drop in eggs production. On closer examination you notice the following signs, coughing, gasping for air, sneezing, rales production, twisted neck, paralyzed wings, moving in circles, greenish diarrhea. Use the above information to answer the following questions.
- (a) What is the most likely disease the poultry are suffering from which is consistent with the mentioned clinical signs. [3 marks]
 - (b) How is the diagnosed disease in question 9 (a) above transmitted? [3 marks]
 - (c) Explain how the farmer can control the above disease in his /her farm. [4 marks]
9. Describe East coast fever under the following topics.
- (a) Etiology [1 mark]
 - (b) Transmission [2 marks]
 - (c) Clinical findings [5 marks]
 - (d) Control [2 marks]
10. Describe trypanosomiasis control methods that can be adopted by coastal region county government to maintain cattle production. [10 marks]
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