

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE
IN ANIMAL HEALTH AND PRODUCTION

ANHE 00134: MICROBIAL DISEASES

STREAMS: CERT. ANHE Y1S1)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 07/8/2019

8.30 A.M. – 10.30 A.M.

INSTRUCTIONS:

SECTION A: ATTEMPT ALL QUESTIONS

1. Describe the general manifestations of bacterial, viral and fungal diseases. [6 marks]
2. Briefly describe East Coast Fever under;
 - (a) Aetiology and transmission [2 marks]
 - (b) Clinical signs [3 marks]
 - (c) Treatment [3 marks]
3. Outline clinical signs of Rinderpest in cattle [5 marks]
4. Describe Black leg disease in cattle under;
 - (a) Aetiology [1 mark]
 - (b) Clinical signs [4 marks]
5. Describe Salmonellosis in poultry under
 - (a) Causes of two salmonella infections in domestic chicken [2 marks]
 - (b) Clinical signs of salmonella infections [3 marks]
 - (c) Post mortem signs of salmonella infections [3 marks]
6. Describe foot and Mouth disease in cattle under
 - (a) Aetiology [1 mark]
 - (b) Clinical signs [4 marks]
 - (c) Treatment and prevention [3 marks]

SECTION B: ATTEMPT ANY 2 QUESTIONS (30 MARKS)

7. A poultry flock is showing mass mortalities with greenish diarrhea and coughs
- (a) What condition do you mostly suspect and its etiology? [2 marks]
 - (b) Outline clinical signs for the condition [5 marks]
 - (c) Describe steps that should be taken to control the condition [5 marks]
 - (d) Describe some post mortem lesions for the condition [3 marks]
8. A calf is reported to have itchy lesions on the head and back with some areas of thickened skin without hair
- (a) What condition do you mostly suspect and its etiology [3 marks]
 - (b) Outline other clinical findings you would expect in adult cattle [4 marks]
 - (c) Describe the diagnosis of this condition [3 marks]
 - (d) Describe treatment and control the condition [5 marks]
9. A donkey develops aggressive behaviour after being attacked by feral dogs a week ago
- (a) What condition do you suspect and its etiology [3 marks]
 - (b) Describe clinical signs of the condition [6 marks]
 - (c) Describe the management and diagnosis of this case [3 marks]
 - (d) Outline control and preventive measures of the condition [3 marks]
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