



**KISII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**FIRST YEAR EXAMINATION FOR THE AWARD OF THE**  
**CERTIFICATE ANIMAL HEALTH/ANIMAL SCIENCE**  
**FIRST SEMESTER 2022/2023**  
**(SEPTEMBER - DECEMBER, 2022)**

**ANHE 00322: BACTERIAL, VIRAL AND FUNGAL DISEASES**

**STREAM: Y1 S1**

**TIME: 2 HOURS**

**DAY: FRIDAY, 3:00 P.M – 5:00 P.M**

**DATE: 16/12/2022**

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***INSTRUCTIONS:***

- 1. Do not write anything on this question paper.***
- 2. Answer ALL Questions in section A (Compulsory) and any other TWO Questions in section B.***

**SECTION A**

1. State the pathogenesis of the following diseases.
  - a) Newcastle disease (2 marks)
  - b) Actinobacillosis (2 marks)
  - c) African swine fever (2 marks)
  - d) Foot and mouth disease (2 marks)
  - e) Egg drop syndrome (2 marks)
  - f) Black quarter (2 marks)
  - g) Infectious bursal disease (2 marks)
  - h) Infectious laryngotrachitis. (2 marks)
2.
  - a) State three examples of clostridial diseases in farm animals. (3 marks)
  - b) State the five clinical of egg drop syndrome in poultry. (5marks)
3.
  - a) State the clinical signs of foot and mouth disease. (1 mark)
  - b) Give the major clinical signs of pneumonic pasteurellosis in bovine. (3 marks)
  - c) State five clinical signs of swine erysipelas in pigs. (2 marks)
4.
  - a) State the pathogenesis of lumpy skin disease. (5 marks)
  - b) Give the treatment of swine dysentery. (3 marks)
  - c) State four main clinical signs of anthrax in bovine. (2marks)

**SECTION B**

5. Discuss anthrax disease under the following headings. (15marks)

- i) Epidemiology
- ii) pathogenesis
- iii) clinical signs
- iv) treatment

6. Discuss contagious bacillary hemoglobinuria disease under the following headings. (15marks)

- i) Aetiology and epidemiology
- ii) pathogenesis
- iii) clinical signs
- iv) treatment and control

7. Discuss lumpy skin disease under the following headings. (15marks)

- i) Aetiology
- ii) pathogenesis
- iii) clinical signs
- iv) treatment and control