



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF AGRICULTURAL AND FOOD SCIENCES**

**THIRD YEAR SECOND SEMESTER UNIVERSITY EXAMINATION FOR THE
DEGREE OF BACHELOR OF ANIMAL SCIENCE**

2017/2018 ACADEMIC YEAR

REGULAR

COURSE CODE: AAS 3324

COURSE TITLE: AETIOLOGY OF DISEASE

EXAM VENUE:

STREAM: BSc. Animal Science

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

- 1. Answer ALL questions in section A and ANY other 2 Questions in section B.**
- 2. Candidates are advised not to write on question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A: 30 Marks

Answer All Questions in this Section

- 1a). Highlight the clinical signs of the New Castle disease **(2 marks)**
- b) Write short notes on the epidemiology and diagnosis of coccidiosis in poultry **(4marks)**
- c.) List 4 zoonotic diseases. **(2 marks)**
2. a. Briefly explain the following, giving examples;
- i. Hardware disease **(2 marks)**
- ii. Blowfly strike in sheep **(4 marks)**
- iv. Pathognomonic clinical signs **(2 marks)**
- b). Outline control measures to be applied in controlling viral diseases among the farm animals. **(4 Marks)**
3. i. List 4 diseases which dogs should be vaccinated against. **(2 marks)**
- ii. List 2 examples of diseases, including vector and clinical signs caused by; **(6 Marks)**
- a. Protozoa
- b. Rickettsiae
- c. Fungi
- iii. Briefly outline challenges being faced in control of livestock tuberculosis in Kenya **(2 marks)**

SECTION B: 40 Marks

Answer ANY TWO Questions from this Section

4. Abortion is a cause of major economic losses to cattle producers in Kenya. Discuss the *Causes, pathogenesis, clinical signs* and *control* of the disease. **(20 Marks)**
5. a. You are in charge of a cattle farm in North Eastern. Some of the cattle are showing the following signs: red urine, abortion, constipation, jaundice, pale mucous membrane, difficult breathing and high fever.
- i. List all the possible diseases affecting the cattle and justify your selection of possible diseases. **(5 Marks)**
 - ii. Aetiology of the disease. **(3 Marks)**
 - iii. Mode of transmission. **(2 Marks)**
 - iv. Prevention and control **(5 Marks)**
- b. Anthrax presents major challenge to livestock owners. Briefly outline mode of transmission and control of the disease. **(5 marks)**
6. Heart water disease is a common problem in cattle, discuss it under the following topics; **(20 marks)**
- a. Aetiology
 - b. Epidemiology
 - c. Clinical signs
 - d. Prevention and control