



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

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

2019/2020 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 from this Section.

1. For each of the diseases listed below, give three (3) main clinical signs
 - a. Rift Valley fever (**1.5 marks**)
 - b. Rabies (**1.5 marks**)
 - c. Sheep and goat pox (**1.5 marks**)
 - d. Lumpy skin disease (**1.5 marks**)
 - e. Anthrax (**1.5 marks**)
 - f. Tetanus (**1.5 marks**)
 - g. New castle disease (**1Mark**)
2. a) Briefly explain zoonosis? (**1 mark**)
 - b) List 6 (six) zoonotic diseases (**3 marks**)
 - c) Explain why zoonotic diseases are important (**3 marks**)
 - d) Give 3 reasons why microbial diseases in food animals are important (**3 Marks**)
3. a) Define following terms;-
 - i) Disease incidence (**1 Mark**)
 - ii) Disease prevalence (**1 Mark**)
 - iii) Morbidity (**1 Mark**)
 - b) List principles of disease control. (**3 Marks**)
 - c) Outline four predisposing factors to Babesiosis (**2 Marks**)
 - d) Briefly outline Moniliasis disease in poultry. (**2 marks**)

SECTION B: 40 MARKS (Answer ANY other 2 Questions)

4. a. A number of sheep on a farm are limping.
 - i. What are the differential diagnoses? (**3 marks**)
 - ii. Outline method (s) of treatment and prevention. (**7 Marks**)
- b. You are a farm manager in a dairy herd of 100 milking cows with high rate of contagious mastitis. Describe how you would control the disease.(**10 marks**)

5. a. Discuss control and prevention of poultry disease outbreak in a poultry farm. **(10 Marks)**
- b. A farmer complains of numerous abortions in the herd. Discuss how you will arrive at your diagnosis and measures to control the disease. **(10 Marks)**
6. a. Outline (5) important clinical signs of East Coast Fever (E.C.F) and what can be done to control the disease. **(10 marks)**
- b. Discuss cause, clinical signs and control of Coccidiosis. (**10 Marks**)