

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2018/2019**

**YEAR II SEMESTER II EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH**

**AAP 2205: PROTOZOOLOGY AND ENTOLOMOLOGY**

**DATE: APRIL 2019 TIME: 2 HOURS**

**INSTRUCTIONS: Answer question one (compulsory) and any other two questions.**

 **Answer each question on its own page.**

**QUESTION ONE**

a. Explain the following terms. (6 marks)

 i. Vector

 ii. Passive transmission

 iii. Incidental parasites

 iv. Zoonosis

 v. Hyper parasite

 vi. Definitive host.

b. Describe the life cycle of Eimeria. (6 marks)

c. Discuss the mechanism of disease transmission in arthropods. (6 marks)

d. Outline the epidemiology of Babesia. (6 marks)

e. Discuss the risk factors associated with myiasis. (6 marks)

QUESTION TWO

Describe the characteristics of the members of phylum Protozoa. (20 marks)

QUESTION THREE

Discuss Theileria parva parva under the following sub-headings: life cycle, epidemiology, pathogenesis, treatment and control. (20 marks)

QUESTION FOUR

Describe the life cycle, epidemiology and pathogenesis of salivarian trypanosomes.

 (20 marks)

QUESTION FIVE

Describe the characteristics, life cycle, pathogenesis and treatment of *Tritrichomonas foetus*.

 (20 marks)