



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2018/2019 ACADEMIC YEAR  
SECOND YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL  
RESOURCE MANAGEMENT  
BACHELOR OF SCIENCE IN ANIMAL HEALTH  
AND PRODUCTION**

**COURSE CODE: AHP 2202**

**COURSE TITLE: VIROLOGY, PROTOZOA AND  
RICKETSIAL DISEASES**

**DATE: 25<sup>TH</sup> APRIL, 2019**

**TIME: 0830 - 1130 HRS**

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**INSTRUCTIONS TO CANDIDATES**

Attempt **ALL** questions

*This paper consists of 2 printed pages. Please turn over.*

- 1) a) Describe briefly the main clinical signs of rift valley fever in cattle. (5 Marks)
- b) Briefly describe the paralytic form of rabies in cattle. (5 Marks)
- c) Briefly describe the pathogenesis and clinical signs of cow pox in cattle. (5 Marks)
- d) Briefly describe the main clinical signs of bovine petechial fever. (5 Marks)
  
- 2) a) Briefly describe the management of canine distemper in dogs. (5 Marks)
- b) State the clinical forms of canine erlichiosis. (5 Marks)
- c) Briefly describe the main clinical presentation of ephemeral fever in cattle. (5 Marks)
- d) Describe briefly the methods of control of African swine fever. (5 Marks)
  
- 3) a) Describe the aetiology of foot and mouth disease in cattle. (3 Marks)
- b) Describe the main clinical signs of foot and mouth disease in cattle. (4 Marks)
- c) Explain the methods of control of foot and mouth in cattle (3 Marks)
- d) Describe the forms of canine parvovirus enteritis. (6 Marks)
- e) Describe the treatment and control of canine parvo virus. (4 Marks)
  
- 4) a) Explain the characteristics of malignant catarrhal fever in cattle. (3 Marks)
- b) Describe the mode of transmission of the disease in question 4 (a). (3 Marks)
- c) Explain the main clinical signs of the disease in question 4 (a). (4 Marks)
- d) Describe the forms of African horse sickness. (7 Marks)
- e) Explain the treatment and control of African horse sickness. (3 Marks)
  
- 5) a) Describe East coast fever under the following topics;
  - i) Four risk factors (4 Marks)
  - ii) Four post mortem findings (4 Marks)
  - iii) Two drugs which can be used in the treatment. (2 Marks)
- b) Give two advantages of spray race method of tick control over other methods. (2 Marks)
- c) Define boosting as used in spray race. (2 Marks)
- d) Give the importance of the following parts of a spray race.
  - i. Footbath (2 Marks)
  - ii. Internal crush (2 Marks)
  - iii. Drainage race (2 Marks)

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