



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: 25TH APRIL, 2019
1130 HRS**

TIME: 0830 -

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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