



MAASAI MARA UNIVERSITY

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

SECOND YEAR FIRST SEMESTER

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

COURSE CODE: AHP 2104

**COURSE TITLE: BACTERIAL AND FUNGAL
DISEASES**

DATE: 4TH DECEMBER, 2018

TIME: 0830 - 1030 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions.

ALL QUESTIONS ARE COMPULSORY:

1. (a) Briefly discuss the economic importance of Brucellosis in livestock production. (5 marks)
(b) Describe the symptoms of *Brucella abortus* in cattle. (12 marks)
(c) List three (3) serological tests used in the diagnosis of Brucellosis. (3 marks)

2. (a) Describe the etiologies of fowl typhoid and pullorum disease. (4 marks)
(b) Briefly discuss the transmission of fowl typhoid. (4 marks)
(c) Discuss the clinical signs observed in birds infected with fowl typhoid. (10 marks)
(d) List two (2) laboratory tests used in fowl typhoid diagnosis. (2 marks)

3. (a) Briefly describe the source of anthrax infection to animals. (4 marks)
(b) Describe the clinical findings observed in the acute form of anthrax. (8 marks)
(c) Discuss the control measures for anthrax that are aimed at breaking the cycle of infection. (8 marks)

4. (a) Briefly describe the causative agent of mycotic dermatitis. (2 marks)
(b) Describe any four (4) risk factors that are associated with mycotic dermatitis. (8 marks)
(c) Discuss the measures used in prevention and control of cutaneous streptothricosis. (10 marks)

5. (a) List two (2) species of *Aspergillus*. (2 marks)
(b) State the impact of Aspergillosis to the livestock production enterprise. (6 marks)
(c) Discuss enterotoxaemia in sheep under the following topics:
 - (i) Etiology (2 marks)
 - (ii) Factors associated with outbreak (6 marks)
 - (iii) Treatment (4 marks)

*****The End*****