



MAASAI

MARA

UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCE AND
ANIMAL SCIENCES**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH
AND PRODUCTION**

COURSE CODE: AHP 4203-1

**COURSE TITLE: ZONOSSES AND ONE
HEALTH CONCEPT**

DATE:

TIME: 3HRS

INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 3 printed pages. Please turn over

ZOONOSES AND ONE HEALTH CONCEPT [120 Marks]

- 1 a. Define the term *zoonotic disease* and provide four (4) examples of pathogens with zoonotic potential. (5 marks)
- b. Using an example, explain the principles of integrated zoonotic disease identification, management, prevention and control. (15 marks)
2. Discuss the prevention and control of Rift Valley Fever. (20 Marks)
3. Discuss the prevention and control of leptospirosis. (20 Marks)
4. Discuss some of the challenges to operationalization of *One-Health* in Kenya (20 marks).
5. Discuss the four (4) components of risk analysis (20 marks).
6. Discuss the drivers of emerging and re-emerging pathogens (20 marks).