



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

SECONDYEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY**

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

COURSE CODE: AHP 2203-1

COURSE TITLE: VIROLOGY AND MYCOLOGY

DATE: 17/4/2023

TIME: 1430-1730 HRS

INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 3 printed pages. Please turn over

Answer all questions

1. Describe classification of viruses under the following sub-heading;

- I. Criteria used in virus classification (10 mks).
- II. Classify animal viruses based on their pathogenicity (10 mks).

2. Describe the stages of viral replication in virology (20 mks).

3. State two viral disease in each of the following species: cattle, equines, caprine, poultry and canines (20 mks).

4. Describe diagnosis of viruses under the following headings;

- I. State four principles of microbiological diagnosis of viruses (4 mks).
- II. State principles of viral sample collection in animals (10 mks)
- III. State transport media and types of samples in Foot and mouth disease. (6 mks).

5. Describe fungi under the following sub-headings;

- I. State five characteristics of fungi. (6 mks).
- II. State and briefly explain the different methods of classification of mycoses (14 mks)

6. Describe fungal diagnosis under the following ;

- I. State common signs of fungal disease in animals (5 mks)
- II. State four types of samples collected for fungal diagnosis in animals (4 mks)
- III. State three methods of fungal diagnosis (3 mks)
- IV. Define mycotoxins and give four examples (8 mks).

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