



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE TOURISM &
HOSPITALITY**

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

COURSE CODE: AHP 2108-1

COURSE TITLE: IMMUNOLOGY

DATE: 8TH APRIL, 2022

TIME: 0830-1030

INSTRUCTIONS TO CANDIDATES

Answer ALL questions

This paper consists of 2 printed pages. Please turn over

IMMUNOLOGY (120 MARKS)

1. Discuss the importance of veterinary vaccines. [20 Marks]
2. Describe the properties of an ideal vaccine. [20 Marks]
3. Discuss the constituents of the innate immune system. [20 Marks]
4. a. Using a well labelled diagram explain the structure of an immunoglobulin. (10 Marks)

b. List any five vaccine-preventable animal diseases, indicate the species affected by each disease mentioned. (10 Marks)
5. Discuss any 5 serodiagnostic techniques. [20 Marks]
6. Using a table format, discuss the differences between Primary and Secondary Immune Responses. [20 Marks]

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