



MAASAI MARA UNIVERSITY

UNIVERSITY REGULAR EXAMINATIONS

2023/2024 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCES, ENVIRONMENTAL
STUDIES AND AGRICULTURE**

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

COURSE CODE: AHP 3206-1

**COURSE TITLE: RESEARCH METHODS IN
NATURAL AND SOCIAL SCIENCES**

DATE: 31/5/24

TIME : 0230-0430HRS

INSTRUCTIONS TO CANDIDATES

Answer **All** the Questions in Section A and any **THREE** IN SECTION B
This paper consists of TWO printed pages. Please turn over
SECTION A (20 MARKS)

1. Explain the differences between observational and experimental research designs in the context of animal health and production
(4 Marks)
2. List the purpose of a pilot study in animal health research
(3 Marks)
3. Highlight the difference between a null hypothesis and an alternative hypothesis in the context of animal health experiments
(4 Marks)
4. Elucidate the concept of reliability in data collection and measurement in animal health research
(4 Marks)
5. List the key components commonly found in the introduction section of a research study
(5 Marks)

SECTION B: ANSWER ANY THREE QUESTIONS (30 marks)

6. Discuss the ethical considerations involved in the use of animals in research
(10 Marks)
7. Discuss the role of longitudinal studies in understanding the health and production dynamics of animal populations
(10 Marks)
8. Discuss the difference between quantitative and qualitative research methods
(10 Marks)
9. Discuss the sampling techniques commonly used in animal health research
(10 Marks)

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