



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE MANAGEMENT
ENVIRONMENTAL STUDIES AND AGRICULTURE
BACHELOR OF SCIENCE IN ANIMAL HEALTH AND
PRODUCTION**

**COURSE CODE: AHP 1106-1
COURSE TITLE: BOTANY**

DATE: 6/2/2024

TIME: 1100-1300 HRS

Instructions

Answer **ANY TEN questions**. Illustrate your answers with diagrams and give examples where appropriate.

ANSWER any TEN QUESTIONS (50 Marks)

1. Describe the role of plants in animal welfare. **(5 marks)**
2. Explain the three-domain system of classification giving suitable examples. **(5 marks)**
3. Describe the basic structure of a prokaryotic. **(5 marks)**
4. Explain the basic structure of the fluid mosaic model of a membrane **(5 marks)**
5. Explain why vascular plants are more successful on land than non-vascular plants. **(5 marks)**
6. Outline the general characteristics of viruses and explain why they are not grouped in any of the three domains or six kingdoms **(5 marks)**
7. Describe the general characteristics of gymnosperms. **(5 marks)**
8. Distinguish between passive transport & active transport. **(5 marks)**
9. Summarize the features that distinguish seedless vascular plants from bryophytes. **(5 marks)**
10. Explain how protists are important ecologically. **(5 marks)**
11. State any **SIX** principles of the International Code of Botanical Nomenclature (ICBN). **(5 marks)**
12. Outline the major events in the life cycle of a named Pteridophyte **(5 marks)**
13. Describe the structural components of a chloroplast. **(5 marks)**
14. Outline ways of increasing contrast in microscopy. **(5 marks)**
15. Explain the binomial system of nomenclature by using examples and classify an organism. **(5 marks)**

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