



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER

**SCHOOL OF NATURAL RESOURCES,
ENVIRONMENTAL STUDIES & AGRICULTURE
BACHELOR OF ANIMAL HEALTH AND
PRODUCTION**

COURSE CODE: AHP 1107-1

**COURSE TITLE: ECOLOGY &
ENVIRONMENTAL MANAGEMENT**

DATE: 30/1/2024

TIME: 0830-1030 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in Section A and any other **THREE** questions from Section B

SECTION A: (20MARKS)

- 1a) Briefly describe three characteristics of a tropical rainforest
(3 Marks)
- b) With an example of each, differentiate between adaptation and mitigation of climate change.
(3 Marks)
- c) Define oxidative stress in animals and briefly explain three (3) of its characteristics
(4 Marks)
- d) Briefly explain plant growth forms and give three categories of its classification.
(4 Marks)
- e) Briefly explain three types of environment.
(3 Marks)
- f) Define an Ecosystem and give four of its components.
(3Marks)

SECTION B: (30MARKS)

- 2) Using a well labeled diagram, describe the concept of environmental management and use of resources from the livestock Sector perspective.
(10 Marks)
- 3) Describe five adaptations by organisms in plant and animal communities as studied in Ecology.
(10Marks)
- 4) Discuss five beneficial and five destructive activities to the environment activities by domestic animals.
(10 Marks)
- 5) Discuss the application of the five principles of ecosystem in animal health and production
(10Marks)

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