



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER

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

**CERTIFICATE IN TOURISM AND WILDLIFE
MANAGEMENT**

COURSE CODE: CTW 016

COURSE TITLE: BIOLOGICAL SCIENCE II

DATE: 20/5/2024

TIME: 1430-1630 HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

This paper consists of 2 printed pages. Please turn over

SECTION A (25MKS)

1. Describe how scientific methods are applied by zoologists (10mks)
2. What is Binomial Nomenclature? (2mks)
3. By applying the Binomial rules, rewrite the scientific name below:
(Panthera Tigris) (3mks)
4. Describe the Taxonomy of a Leopard (5mks)
5. Highlight the characteristics of Kingdoms of life (5mks)

SECTION B (45MKS)

6. (a) Discuss five kingdoms of life (10mks)
(b) what is animal classification? Describe how animals are classified based on symmetry (5mks)
7. (a) Describe the differences between prokaryotic and eukaryotic cells (12mks)
(b) Differentiate between diploblastic and triploblastic animals (3mks)
8. What do you understand by the terms metamerism and cephalization? Describe cephalization in animals (15mks)
9. Discuss five evidences describing the origin of metazoa (15mks)

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