



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM & NATURAL RESOURCE
MANAGEMENT
CERTIFICATE IN TOURISM AND WILDLIFE
MANAGEMENT**

**COURSE CODE: CTW 016
COURSE TITLE: BIOLOGICAL SCIENCES II**

DATE: 23.4.2019

TIME: 8.30AM - 10.30AM

INSTRUCTION TO CANDIDATES:

This paper has two sections A & B. Answer Question **ONE** and any other **TWO** Questions

This paper consists of 2 printed pages. Please turn over.

SECTION A: ANSWER QUESTION ONE (30mks)

QUESTION 1

- (i) Distinguish between the following terms: **(6mks)**
(a) Protostome and deuterostome
(b) Coelomate and pseudocoelomate
(c) Protozoa and metazoan
- (ii) Distinguish between prokaryotes and eukaryotes **(6mks)**
- (iii) While giving examples explain the various sources of binomial names **(12mks)**
- (iv) Explain six rules followed when writing binomial names of species **(6mks)**

SECTION B: ANSWER ANY TWO QUESTIONS (40MKS)

QUESTION 2

- i. Explain **four** features used in classifying animals **(8mks)**
- ii. Using a flow diagram illustrate the levels of organization of metazoans **(8mks)**
- iii. Highlight four importance of using binomial nomenclature system **(4mks)**

QUESTION 3

- i. While giving examples in each case describe three main animal body plans. **(9mks)**
- ii. Differentiate between Archaeobacteria and Eubacteria **(4mks)**
- iii. Describe the general characteristics of kingdom Fungi **(7mks)**

QUESTION 4

- i. How does the segmentation of an annelid worm differ from the repeating units of the body of a tapeworm? **(4mks)**
- ii. Describe **six** types of metamerism **(12mks)**
- iii. Explain **two** factors affecting animal's energy requirement **(4mks)**

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