



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2023/2024

FIRST YEAR, SECOND SEMESTER EXAMINATION FOR CERTIFICATE IN AGRICULTURE

### AAC 1204: ZOOLOGY

DATE: DECEMBER 2023

TIME: 1.5 HOURS

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**INSTRUCTIONS:** Answer question *one* and any other *two* questions

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#### QUESTION ONE (30 MARKS)

- a) Differentiate between physiology and anatomy. (4 marks)
- b) Define the following terms:
  - i. Taxa (2 marks)
  - ii. Zoology (2 Marks)
  - iii. Respiration (3 marks)
- c) State the various taxa (7 Marks)
- d) Describe different types of tissues (6 marks)
- e) What is the importance of homeostasis? (6 Marks)

#### QUESTION TWO (15 MARKS)

- a) Discuss Homeostasis (8 Marks)
- b) Give examples of homeostatic mechanisms in animals. (7 marks)

#### QUESTION THREE (15 MARKS)

- a) What is Binomial nomenclature (2 marks)
- b) State the rules of Binomial nomenclature (8 Marks)
- c) Give the characteristics of chordate (5 Marks)

**QUESTION FOUR (15 MARKS)**

- a) Why do we study zoology? (6 Marks)
- b) Draw an animal cell and name the parts (6 Marks)
- c) Give the characteristics of the class Insecta. (3 marks)