



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya

Tel: +254(0) 799 529 958, +254(0) 799 529 959, + 254 (0) 712 524 293,

Website: info@must.ac.ke Email: info@must.ac.ke

University Examinations 2024/2025

FIRST YEAR SECOND SEMESTER EXAMINATION FOR THE CERTIFICATE IN AGRICULTURE

AAC 1204: ZOOLOGY

DATE: DECEMBER 2024

TIME: 1½ HOURS

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

QUESTION ONE (30 MARKS)

- a) Differentiate between physiology and anatomy. (4marks)
- b) Define the following terms:
 - i) Taxa (2 marks)
 - ii) Zoology (2 Marks)
 - iv) Respiration (3marks)
- 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)