



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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University Examinations 2024/2025

FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION AND BACHELOR OF SCIENCE IN FOOD SCIENCE AND TECHNOLOGY

SZV 3100: PRINCIPLES OF BIOLOGY

DATE: JANUARY 2025

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Distinguish between prokaryotic and eukaryotic cells (5 marks)
- b) List different seed dispersal mechanisms in plants with relevant examples (5 marks)
- c) Explain composition of cell nucleus (4 marks)
- d) List connective tissues found in animals (4 marks)
- e) Outline the systems of classification (4 marks)

QUESTION TWO (20 MARKS)

Describe the circulatory system in human body

QUESTION THREE (20 MARKS)

Discuss the process of fruit and seed formation

QUESTION FOUR (20 MARKS)

Discuss different levels of structural organization in human body