

ZOO 300E



ALUPE UNIVERSITY

OFFICE OF THE DEPUTY VICE-CHANCELLOR
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2023 /2024 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER REGULAR MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION SCIENCE**

COURSE CODE: ZOO 300E

COURSE TITLE: ANIMAL PHYSIOLOGY

DATE: 18th DECEMBER 2023

TIME: 9.00 A.M - 12.00 P.M

INSTRUCTIONS TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

ZOO 300E

REGULAR –MAIN EXAM

ZOO 300E: ANIMAL PHYSIOLOGY

STREAM: BED (SCIENCE)

DURATION: 3 Hours

INSTRUCTIONS TO CANDIDATES

- i. Answer **ALL** questions from section A and any **FOUR** from section B.
 - ii. Diagrams should be used whenever they deserve to illustrate the answer.
 - iii. Do not write on the question paper.
-

SECTION A (30 marks)

Question One

- a. What are the Sense organs? (2 Marks)
- b. What are any THREE homeostatic mechanisms used by the body? (3 Marks)
- c. What constitutes the integumentary system? (5 Marks)
- d. Draw and label a nerve cell. (5 Marks)

Question Two

- a) List any THREE functions of the urinary system (3 Marks)
- b) What are the MAIN steps involved in the physiology of digestion (6 Marks)
- c) What are the MAIN parts of the nervous system? (2 Marks)
- d) List any TWO endocrine glands with their respective functions. (4 Marks)

SECTION B (40 marks)

Question Three

Discuss functions of the skeletal system in an animal body. (10 Marks)

Question Four

- a. What are the THREE main types of muscles. (3 Marks)
- b. Discuss the MAIN functions of the muscular system. (7 Marks)

ZOO 300E

Question Five

- a. What is Senescence? (2 Marks)
- b. Account for the muscle contraction process in animals. (8 Marks)

Question Six

Discuss the main functions of the nervous system. (10 Marks)

Question Seven

- a) Draw and label the parts of the animal eye. (4 Marks)
- b) Describe how the animals' eyes work. (6 Marks)
