

ZOO 112E



ALUPE UNIVERSITY
COLLEGE

Bastion of Knowledge...

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OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

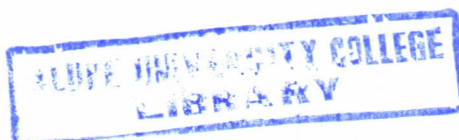
2017 /2018 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

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

COURSE CODE: ZOO 112E

COURSE TITLE: VETERBRATE ZOOLOGY



DATE: 25TH APRIL, 2018

TIME: 2.00PM – 5.00 P.M

INSTRUCTIONS TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

ZOO 112E: VETERBRATE ZOOLOGY

STREAM: BED (Science)

DURATION: 3 Hours

INSTRUCTIONS TO CANDIDATES

- i. Answer **ALL** questions from section A and any **THREE** from section B.
 - ii. Diagrams should be used whenever they serve to illustrate the answer.
 - iii. Do not write on the question paper.
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SECTION A (24 MARKS)

Question One

- a) State four characteristics of Tetrapods and identify the members. (4 Marks)
- b) Outline the role of the following glands found in the skin of mammals
 - a) Sebaceous glands (1 Mark)
 - b) Sweat glands (1 Mark)
 - c) Scent glands (1 Mark)
 - d) Mammary glands (1 Mark)
- c). Swim bladder in bony fish has helped the vertebrates in to survive in its marine environment. Explain (4 Marks)

Question Two

- a). Describe the role of the tail in mammals using specific examples (5 Marks)
- b). Write short notes on the following characteristic features of chordates:-
 - i. Nerve cord (2 Marks)
 - ii. Notochord (3 Marks)
 - iii. Pharyngeal slits (2 Marks)

SECTION B (36 MARKS)

Question Three

Compare the features of Cartilaginous and Bony fishes (12 Marks)

Question Four

Account for the diverse defense mechanisms displayed by reptiles. (12 Marks)

Question Five

a). Identify two characteristics of members of a species. (2 Marks)

b). Justify features that distinguish mammals from other vertebrates (10 Marks)

Question Six

Reptiles are successful vertebrates on land. Account for this statement. (12 Marks)

Question Seven

Describe the characteristics Gnathostomes (12 Marks)

