



ALUPE UNIVERSITY
COLLEGE

... Bastion of Knowledge...

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OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2019 /2020 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER REGULAR EXAMINATION

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

COURSE CODE: ZOO 300 E

COURSE TITLE: ANIMAL PHYSIOLOGY

DATE: 4TH DECEMBER, 2019

TIME: 2.00 PM – 5.00 PM

INSTRUCTIONS TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

ZOO 300 E

ZOO 300E: ANIMAL PHYSIOLOGY

STREAM: Bed. (Science)

DURATION: 3 Hours

INSTRUCTION TO CANDIDATES

- i. Answer *ALL* questions from section A and any other *THREE* from section B.
 - ii. Do not write on the question paper.
- =====

SECTION A (24 MARKS)

Question One

- a) Differentiate the following terms:-
 - i. Ecological physiology and Cellular physiology (4 Marks)
 - ii. Kinetic balance and static balance (4 Marks)
- b) Write short notes on thermoregulation (4 Marks)

Question Two

- a) Define homeostasis (1 Mark)
- b) Highlight the components of a homeostatic control system (5 Marks)
- c) With the help of a well labeled diagram describe the structure of the stomach (6 Marks)

SECTION B (36 MARKS)

Question Three

Outline the steps involved in hearing (12 Marks)

Question Five

Describe the process of urine formation (12 Marks)

Question Five

Using a diagram, explain the histology of the gut (12 Marks)

Question Six

Discuss the alternating processes of heat promotion and heat loss

(12 Marks)

Question Seven

Write short notes on the following:-

a). Negative feedback mechanism (with the aid of a diagram)

(6 Marks)

b). Conception of pregnancy

(6 Marks)
