

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DIPLOMA
IN ANIMAL HEALTH AND PRODUCTION

ANHE 0114: ANIMAL PHYSIOLOGY

STREAMS: DIP. ANHE

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

11.30 A.M. – 1.30 A.M.

INSTRUCTIONS: Answer all question in section A and any two in B

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. (a) Define the following terms [5 marks]
 - (i) Physiology
 - (ii) Homeostasis
 - (iii) Exocytosis
 - (iv) Apnea
 - (v) Neuron
- (b) Briefly describe the swallowing process [6 marks]
- (c) List the main functions of the heart [5 marks]
- (d) What are the roles of antidiuretic and aldosterone hormones in urine production [5 marks]
- (e) Explain the functions of the nervous system [5 marks]
- (f) Mention the functions of the epithelial tissue [4 marks]

SECTION B: ANSWER ONLY TWO QUESTIONS [40 MARKS]

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2. (a) Using relevant examples, explain the difference between positive and negative feedback mechanism [8 marks]
- (b) How is the relationship of the female hypothalamic-hypophyseal-gonadal axis in reproduction [12 marks]
3. Explain cellulose digestion in rabbits [20 marks]
4. Describe the respiratory system and show how inspiration and expiration takes place [20 marks]
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