



*(Knowledge for Development)*

**KIBABII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**2016/2017 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER**  
**SPECIAL/SUPPLEMENTARY EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE: SZL 321**  
**COURSE TITLE: ENDOCRINOLOGY**

**DATE: 21/09/2017**

**TIME: 11:30-1:30 P.M**

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**INSTRUCTIONS TO CANDIDATES**

Answer question **ONE [1]** and **ANY** other **TWO [2]** questions

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBUCO observes ZERO tolerance to examination cheating

1. **Question 1**

a). Define the following terms as used in comparative animal physiology

- i). Nondestructive medium (4 MARKS)
- ii). Amplifier (3 MARKS)
- iii) Response (3 MARKS)
- iv) Selective receiver (4 MARKS)

b). **Explain** the three main requirements of the homeostatic mechanism (6 MARKS)

c). **Give** the main types of transducers that exist (5 MARKS)

d). **State** the significance of the endocrine system (5 MARKS)

2. **Question 2**

Using **examples** explain the elements of an endocrine system (20 MARKS)

3. **Question 3**

Discuss the common known disorders of the endocrine system (20 MARKS)

4. **Question 4**

Using the concept of balance in homeostasis, **explain** how the body regulates salt and water in excretion (20 MARKS)

5. **Question 5**

c). **Describe** the functions of the following hormones in the human body.

- i. Follicle stimulating hormone (FSH) (5 MARKS)
- ii. Luteinizing hormone (LH) (5 MARKS)
- iii. Prolactin hormone (5 MARKS)
- iv. Parathyroid (5 MARKS)