



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE

COURSE CODE: SZL 321
COURSE TITLE: ENDOCRINOLOGY

DATE: 23/10/2019

TIME: 11:30 - 1.30 P.M

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



KIBU observes ZERO tolerance to examination cheating

1. Question 1

a). Define the following terms as used in Endocrinology

- i). Nuclear receptors (2 MARKS)
- ii). Intracellular hormones (3 MARKS)
- iii). Hormone effectors (4 MARKS)
- iv). Transducers (2 MARKS)

b). State the five classes of hormones (4 MARKS)

c). Give five functions of the endocrine system (5 MARKS)

d). State the characteristics of hormone receptors (5 MARKS)

d). Name five glands that form the classical endocrine system (5 MARKS)

2. Question 2

Explain the achievements in endocrinology to the nineteenth century. (20 MARKS)

3. Question 3

Explain the mechanism of hormone functions by intracellular receptor (20MARKS)

4. Question 5

Discuss the hormonal control of glucose balance by the pancreas (20MARKS)

5. Question 5

Explain the steps in the biosynthesis of a hormone complex (20MARKS)