



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR

THIRD YEAR FIRST SEMESTER
MAIN EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE

COURSE CODE: SZL 321
COURSE TITLE: ENDOCRINOLOGY

DATE: 19TH APRIL **TIME: 2.00 – 4.00 PM**

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). **Classical** Hormone (2 MARKS)

ii). Transducers (2 MARKS)

iii). Nuclear receptors (4 MARKS)

iv). Intracellular hormones (3 MARKS)

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

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

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

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

Question 2

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

Question 3

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

Question 4

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

Question 5

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