



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY,
BACHELOR OF SCIENCE IN BIORESOURCE MANAGEMENT, BACHELOR OF
EDUCATION SCIENCE AND BACHELOR AGRICULTURE EDUCATION AND
EXTENSION**

COURSE CODE: SZL 321

COURSE TITLE: ENDOCRINOLOGY

DATE: 11TH October, 2018.

TIME: 11:30 – 1:30 p.m.

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1.

- a) Give **three** differences between nervous system and endocrine system 3marks
- b) Name the exocrine gland that secretes the following 3marks
 - i. Mucus
 - ii. Sweat
 - iii. Saliva
- c) State the role of endoplasmic reticulum and Golgi bodies in formation of peptide hormones 3marks
- d) What is a hormone receptor; name the sites where receptors for peptide, amine and steroid hormones are located. 4marks
- e) State the cells that secrete [i] Follicle stimulating hormone [ii] Thyroid stimulating hormone [iii] Adrenocorticotrophic hormone 3marks
- f) List the factors that stimulate secretion of growth hormone 4marks
- g) Name the three zones of adrenal cortex and the hormones they secrete 6marks
- h) Give two types of diabetes mellitus and state the cause of each 4marks

- 2. Describe how production of thyroid hormone is regulated 20 marks
- 3. Describe the role of growth hormone in metabolism 20 marks
- 4. Describe the role of hormones in the ovarian cycle 20 marks
- 5. Describe the role of hormones in reproduction and diapause in insects 20 marks