



(Knowledge for Development)

KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER
SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY AND
BACHELOR OF SCIENCE IN
BIORESOURCE CONSERVATION AND MANAGEMENT

COURSE CODE: SZL 122

COURSE TITLE: VERTEBRATE ZOOLOGY

DATE: FRIDAY 24TH SEPTEMBER, 2021

TIME: 2:00 – 4:00 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 3 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

QUESTION 1

- a) Define the following
- I Invertebrate (2 marks)
 - II Pharyngeal slits (3 marks)
 - III Exoskeleton (2 marks)
- b) Name three common parts that form the internal body plan of Chordates. (3 marks)
- c) Describe the characteristic features of hemichordates. (5 marks)
- d) Classify chordates in to different groups (5 marks)
- e) Fully describe the characteristics of the Urochordates (5 marks)
- f). Distinguish chordates from other animal groups (5 marks)

QUESTION 2

Describe the structural adaptations of vertebrates (20 marks)

QUESTION 3

State the Economic and biological importance of vertebrates (20 marks)

QUESTION 4

Discuss the Evolution of amphibians (20 marks)

QUESTION 5

Explain the characteristics of members of the phylum Chordata (20 marks)