



(Knowledge for Development)

**KIBABII UNIVERSITY**

**UNIVERSITY EXAMINATIONS  
2020/2021 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER  
MAIN EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE: SZL122**  
**COURSE TITLE: VERTEBRATE ZOOLOGY**

**DATE:** Thursday 15<sup>th</sup> July, 2021.

**TIME:** 2:00 – 4:00 p.m.

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**INSTRUCTIONS TO CANDIDATES**

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

TIME: 2 Hours

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KIBU observes ZERO tolerance to examination cheating

### QUESTION 1

a). Define the following terms as used in zoology

- I Olfactory pit (2 marks)
- II Vertebrate (2 marks)
- III Agnathas (2 marks)

b) Draw and label a basic plan of a chordate (5 marks)

c) Name five economic importance of bony fish. (5 marks)

d) What are the four basic features that chordates have in common (4 marks)

e) State the characteristic features of cephalochordates. (5 marks)

f) Briefly explain the adaptation of birds to flight (5 marks)

### QUESTION 2

Explain the general characteristics of Reptiles (20marks)

### QUESTION 3

- i). Identify the four eras of the geologic time scale. (4 marks)
- ii). Indicate the time span of each era. (6 marks)
- iii). Classify major events of each era. (10marks)

### QUESTION 4

Discuss the classification of mammals (20marks)

### QUESTION 5

Based on the primary features only, identify and name any five chordates (20marks)