

45



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR

FIRST 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 122

COURSE TITLE: VERTEBRATE ZOOLOGY

DATE: 19TH August 2018

TIME: 8:00 – 10:00 a.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) What is a notochord; name an organism in which a notochord persists at adult stage 2marks
 - b) State the functions of the three parts of an amniotic egg 6marks
 - c) State four ways of locomotion in snakes 4marks
 - d) Give a physical contrast between aquatic and terrestrial habitats 4marks
 - e) State three aquatic features which are still retained by amphibians 3marks
 - f) Give three ways Amphibians have contributed to Vertebrate evolution 4marks
 - g) Name three types of chromatophores found in amphibians 3marks
 - h) Differentiate between mesonephric kidney and pronephric kidney 2marks
 - i) Differentiate between catadromous and anadromous type of fishes 2marks
2. Describe how a bony fish is adapted to movement in water 20 marks
3. Describe how birds are physiologically adapted to flight 20 marks
4. Describe ways reptiles show advancement over amphibians
5. Describe the social behaviour and reproduction in birds 20 marks