



(Knowledge for Development)

# KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2015/2016 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER

MAIN EXAMINATION

FOR THE DEGREE OF BSC. IN AGRICULTURE AND  
BIOTECHNOLOGY AND BSC. IN AGRICULTURE ECONOMICS AND  
BIORESOURCE MANAGEMENT.

COURSE CODE: SZL 124

COURSE TITLE: BASIC ZOOLOGY

DATE:

13/5/2016

TIME:

2.00. P.M

## INSTRUCTIONS TO CANDIDATES

1. Question one carries 30 marks, while the rest carry 20 marks each.
2. Answer Question One and any TWO(2) in section B.

TIME: 2 Hours

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

**QUESTION ONE.(COMPULSORY) (30 MARKS)**

- a) Define the following terminologies:
- i. Zoology; (2 marks)
  - ii. Deuterostomes; (2 marks)
  - iii. Protostomes; (2 marks)
  - iv. Nematocyst; (2 marks)
  - v. Proglottid. (2marks)
- b) Describe the distinguishing characteristics of the polyp phase of *Obelia*. (5 marks)
- c) Briefly outline the six(6) key adaptations of arthropods. (6 marks)
- d) Explain how birds are adapted for flight. (5 marks)
- e) State two ways by which mollusks without shells protect themselves against predators (4 marks)

**QUESTION TWO. (20 MARKS)**

Describe the distinguishing characteristics of lizards and snakes. (20 marks)

**QUESTION THTREE. (20 MARKS)**

Discuss the advantages of transition of amphibians from aquatic to land dwelling animals. (20 marks)

**QUESTION FOUR. (20 MARKS)**

Describe the distinguishing characteristics of the three (3) main mammalian subgroups. (20 marks)

**END.**