



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2011/2012
MOMBASA CAMPUS
SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
SZL 100: GENERAL ZOOLOGY

DATE: MONDAY, 2ND APRIL 2012

TIME: 11.00 A.M. – 1.00 P.M.

INSTRUCTIONS

Answer **ALL** questions from Section A and any **ONE** question from Section B. Within a Section all questions carry equal marks. Illustrate your answers with diagrams and give examples whenever appropriate.

SECTION A (40 MARKS) Answer all questions.

1. State the distinguishing characteristics of phylum Chordata.
2. Explain the main features that distinguish birds from other animals.
3. Describe briefly the features that make reptiles better suited for terrestrial life than amphibians.
4. Outline the functions of tube feet in echinoderms.
5. Explain the theory of biochemical evolution.
6. Describe briefly the functions of biological membranes.
7. Explain the functions of skin glands in mammals.
8. With aid of diagrams describe excretion and osmoregulation in protozoa.

SECTION B (30 MARKS) Answer one question.

9. Describe in detail the classification of the phylum Arthropoda.
10. Discuss the adaptations of fish to aquatic life.
11. Discuss the evolutionary adaptations that enabled land occupation by animals.
