



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE AND BACHELOR OF EDUCATION

SZL 313: ICHTHYOLOGY

DATE: Tuesday, 6th December, 2011

TIME: 4.30p.m. – 6.30p.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: Answer all questions. [40 Marks]

1. Explain the meaning of the following terms.
 - (a) Race
 - (b) Vivipary
 - (c) Chondrichthyes
 - (d) Isteucgtgtes
 - (e) Sacopterygii
2. Describe the structure and function of gills in fish.
3. Compare and contrast Agnatha and Gnathostomata.
4. Describe the key features used in Tilapine fish identification.
5. Describe the functions of fins in fish.

6. Explain the advantages of internal fertilization and development.
7. Describe the advantages of 'schooling' behavior in fishes.
8. Describe briefly the functions of the swim bladder.

SECTION B

9. Write an essay on fish classification.
10. Write an essay on feeding in fishes.