



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2010/2011
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE AND BACHELOR OF EDUCATION
SZL 313: ICHTHYOLOGY 2009

DATE: Monday, 22nd November, 2010

TIME: 2.00 p.m. – 4.00 p.m.

INSTRUCTIONS:

Answer **ALL** questions from Section A and **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)

1. Explain the following terms:
 - a) Race
 - b) Vivipary
 - c) Gnathostomata
 - d) Agnatha
 - e) Fecundity
2. Describe the structure and functions of the lateral line.
3. Compare and contrast **Chondrichthyes** and **Osteichthyes**.
4. Illustrate the different types of scales found on fishes.
5. Describe the structure and functions of the caudal fin in fishes.
6. Explain the advantages of internal fertilization and development in fishes.
7. Describe the advantages of the 'schooling' behavior in fishes.
8. Describe the advantages and functions of the swim bladder.

SECTION B

9. Write an essay on bacterial fish diseases.
10. Discuss feeding in fishes.