



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2007/2008

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

SZL 412: APPLIED ECOLOGY

DATE: Monday 23rd June, 2008

TIME: 11.00 a.m. – 1.00 p.m.

INSTRUCTIONS:

Answer **ALL** questions in Section A and any question in Section B. Within each Section, **ALL** questions carry equal marks. Illustrate your answers with diagrams and give examples where appropriate.

SECTION A: Answer **ALL** questions (40 MARKS)

1. Describe the procedure involved in Sericulture.
2. Describe different types of soil erosion.
3. Explain briefly why CORTEX SEA is considered the richest sea in the world.
4. Explain the meaning of the following terminologies
Invitro fertilization
Gamete intrafallopian transfer
Zygote intrafallopian transfer
5. Explain the term Ozone hole.

6. Outline the methods used in managing agricultural pests.
7. Distinguish between the Red Data Book, the Black Data Book and the Red List of I.U.C.N.
8. Explain briefly the concept of restoration ecology.

SECTION B: (Answer **ONE** question) - (30 marks)

9. Discuss Dose –Response relationship and explain lethality tests.
10. Discuss ecological management of fish farming in Kenya.
