



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

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

SZL 309: ETHOLOGY

DATE: Wednesday, 14th April, 2010

TIME: 2.00 p.m. – 4.00 p.m.

INSTRUCTIONS:

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

SECTION A:

1. Describe briefly migration of the wildebeest in East Africa.
2. Briefly explain circadian rhythms and Biological clocks.
3. Differentiate between skinner box and shuttle box in learning.
4. Explain the following:-
 - a) Selfish herd effect.
 - b) Threat and display.
 - c) Fixed action pattern
 - d) Octopus memory.
5. Describe briefly how bats use sonar system to catch noctuid moths.

6. Describe the use of tools in animals.
7. Illustrate motivation using Lorenz's Psychohydraulic model.
8. Describe briefly the sexual selection in females.

SECTION B

Answer **ONE** question (30 marks)

9. "Living in groups has benefits and costs". Discuss this statement.
10. Discuss altruismo.