



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2018/2019
DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING
THIRD SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE AND BACHELOR OF EDUCATION
SZL 302 ANIMAL ECOLOGY

DATE: Wednesday 14th August 2019

TIME: 2.00p.m. - 4.00p.m.

INSTRUCTIONS:

Answer all questions in Section A and one question in Section B. Within a section all questions carry equal marks. Illustrate your answers diagrams and give examples where appropriate.

SECTION A

Answer **ALL** questions in this section (40 marks)

1. Compare and contrast the logistic and exponential theories of population growth.
2. Outline the various types of biomes.
3. Explain briefly the r and k selection strategies.
4. With the help of examples, describe "Gause's competitive exclusive principle".
5. Distinguish between niche and habitat of an organism.
6. Outline the trophic levels in an ecosystem.
7. Discuss the role of animal ecologists in national parks.
8. Explain how desert animals deal with problems of water conservation.

SECTION B

Answer any one question (30 marks)

9. a. Discuss the deterministic factors which lead to animal migration.
b. Discuss the various types of animal migrations.
10. Write an essay on the biotic and abiotic factors.