



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2019/2020

DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING

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

SZL 415: ECOLOGY FOR SUSTAINABLE DEVELOPMENT

Potential

DATE: Sunday, 25th October 2020

TIME: 11.00 a.m. - 1.00 p.m.

INSTRUCTIONS:

Answer all questions in section A and any ONE (1) question in section B. Within a section questions carry equal marks. Illustrate your answer with diagrams and give examples where appropriate.

SECTION A: Answer ALL questions (40 Marks)

1. Explain the main outcomes of the United Nations (U.N) Conference on Environment and Development (UNCED) or Earth Summit in Rio de Janeiro in 1992.
2. Explain briefly some of the effects of development activities on biodiversity.
3. Explain briefly the main ecological services provided by biodiversity.
4. Explain the application of ecological principles to ensure sustainable agriculture.
5. Describe briefly the main approaches used in conservation of biodiversity.
6. Explain briefly the causes of desertification.
7. Explain briefly the environmental sustainability pre-requisite.
8. Describe briefly the main negative effects currently being experienced as a result of modern agriculture.

SECTION B: ANSWER ANY ONE QUESTION (30 MARKS)

9. Give a detailed account of an environmental impact assessment.
10. Describe in detail how conventional livestock production can be made more environmentally friendly.

INVOLVEMENT IN ANY EXAMINATION IRREGULARITY SHALL LEAD TO DISCONTINUATION