



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2018/2019
DIGITAL SCHOOL OF VIRTUAL AND OPEN LEARNING
THIRD SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
EDUCATION
SZL 304: EVOLUTIONARY BIOLOGY

DATE: THURSDAY 15TH AUGUST 2019

TIME: 2.00 P.M - 4.00 P.M

INSTRUCTIONS:

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

SECTION A: Answer ALL Questions (40 marks)

1. Explain inclusions as relative methods in geological dating.
2. Explain briefly the origin of life according to the creation theory.
3. Differentiate between genetic drift and gene flow.
4. Describe the term population bottlenecks.
5. Outline the factors that contributed to the extinction of the dinosaurs.
6. Explain the challenge of recovery of fossils records during the Cambrian period.
7. Outline the distinguishing features of Human beings and Apes.
8. Describe behavioral isolation as pre-mating mechanisms.

SECTION B: Answer only ONE Question (30 marks)

9. Discuss the evidence in support for evolution.
10. Describe in details the environmental challenges encountered by early inhabitants of Olorogesailie as a pre-historic site in Rift Valley.