



# KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2009/2010

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

### SZL 304: “EVOLUTIONARY BIOLOGY”

DATE: Monday, 12<sup>th</sup> April, 2010

TIME: 8.00 a.m. – 10.00 a.m.

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#### SECTION A:

Answer **ALL** questions.

1. Outline the major human structural features in comparison with anthropoid apes.
2. Explain the Ice Ages, and give reasons why scientists study ice.
3. Describe briefly the phenomenon of secular trend in hominization process.
4. Outline the roles of the earth's atmosphere as life supporting phenomenon.
5. Describe the notable mammalian features.
6. Explain the acceptable theories for the origin .
7. Outline the most distinct primate characteristics.
8. Describe briefly the structural differences between the autotrophic and heterotrophic organisms.

## **SECTION B**

Answer only/any **ONE** question.

9. Describe the ecological radiation and convergence of mammals.
  
10. Write an essay on the history of plants on land.