



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE**

SZL 413: POPULATION GENETICS

DATE: WEDNESDAY, 1ST DECEMBER 2010

TIME: 4.30 P.M. - 6.30 P.M.

SECTION A: ANSWER ALL QUESTIONS.

1. Outline the characteristics and the physical influences of personality.
2. Describe briefly the mechanism and impact of Mendelian genetics.
3. Explain the characteristic features of polygenic traits.
4. Outline taste and smell defects in humans.
5. Describe briefly the general principles of genetic counselling.
6. Explain the causes of diabetes.
7. Describe the abnormal outcome of pregnancy.
8. Explain briefly the evolution of polyploid chromosomes.

SECTION B: ANSWER ANY ONE QUESTION.

9. Describe in detail genetic evaluation.
10. Write an essay on the giants of nature.
