



THE KENYA POLYTECHNIC

SURVEYING & MAPPING DEPARTMENT

DIPLOMA IN LAND SURVEYING

END OF YEAR I EXAMINATIONS

NOVEMBER 2006

GEOGRAPHY

3 HOURS

INSTRUCTIONS TO CANDIDATES:

You should have the following for this examination:

Answer booklet

Calculator/Mathematical tables

Answer any FIVE of the following EIGHT questions.

All questions carry equal marks and the maximum marks for each part of a question are as shown.

This paper consists of 2 printed pages.

1. Geography is a complex discipline. Discuss. (20 marks)
2. (a) Define weathering. (2 marks)
(b) Explain FIVE processes of physical weathering. (15 marks)
(c) State the economic importance of weathering. (3 marks)
3. With diagrams explain FIVE coastal erosional features. (20 marks)
4. (a) Explain factors that influence soil formation. (12 marks)
(b) Using diagrams, differentiate the following:
 - (i) Permeability and porosity. (4 marks)
 - (ii) Soil profile and soil catena (4 marks)
5. With the aid of diagrams, explain FIVE wind erosional features in the desert. (20 marks)
6. With the aid of diagrams, explain FIVE types of faults. (20 marks)
7. Explain the factors that influence vegetation distribution in the world. (20 marks)
8. (a) Explain the characteristics of tropical equatorial climate. (10 marks)
(b) With the aid of diagram, explain the mountain vegetation. (10 marks)