

Geography 1

550

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

JUNE 2007

ORDINARY LEVEL

Subject Title	Geography
Paper No	Paper 1
Subject Code No.	550

TWO HOURS

Answer question ONE and TWO others. Question one carries 15%, the others 12% each of the total marks for the examination. Questions two and three on field work should be answered only by those candidates who have carried out a course of field studies.

The Map for question 7 if used must be tied inside your answer-book opposite the written part of the answer.

You are reminded of the necessity for good English and orderly presentation in your answers.

1. Study the map extract 1:25000 (THRELKELD) and
- (a) Draw a cross section from X to Y and on it mark and name the following:
 - (i) main road;
 - (ii) secondary road;
 - (iii) river;
 - (iv) area of woodland.

(7 marks)
(3 marks)
 - (b) Calculate the gradient between points X and Y.
 - (c) With the aid of a sketch map, divide the area of the map extract into physical regions and describe each of the regions. (10 marks)
 - (d)
 - (i) Comment on the site and situation of Threlkeld.
 - (ii) From map evidence, comment on land use in the area. (10 marks)

2. Do not attempt this question unless you have under taken fieldwork in physical geography. Choose one of the following topics for which you have carried out fieldwork:
- (i) a river and its valley;
 - (ii) soil types and their characteristics;
 - (iii) the study of rock types;
 - (iv) the study of the results of weathering
- (a) Name and locate on a sketch map an area in which you carried out your field work. (4 marks)
 - (b) State the purpose of your fieldwork. (4 marks)
 - (c) Write an account of the methods used and describe how the information obtained was recorded. (12 marks)
 - (d) Why is such a field exercise important in geography? (5 marks)

3. Do not attempt this question unless you have carried out fieldwork in human geography. Choose one of the following topics in which you have carried out fieldwork:
- (i) a shopping centre;
 - (ii) rural land use;
 - (iii) an investigation of traffic and pedestrian movement;
 - (iv) a processing industry.
- (a) With the help of sketch maps and diagrams, name and locate where you carried out your fieldwork. (4 marks)
 - (b) Give the methods used in your investigations and state how you recorded the results. (15 marks)
 - (c) How have the results helped you to better understand the topics you set out to study? (6 marks)

Figure 1 shows the 4 positions of the earth in its revolutions round the sun.



- (a) On the figure insert and name:
- the orbit path.
 - indicate by means of an arrow, the direction of the earth's movement along the orbit;
 - the Equator, and the tropics at one of the positions;
 - the date at each position;
 - the direction of the earth's rotation at one of the positions by means of an arrow.
- (10 marks)
- (b) Explain with the help of diagrams any two of the following:
- why the area North of the Arctic circle is known as "land of the Midnight Sun" between June 21st and September 23rd;
 - why some countries adopt a Standard Time instead of Local Time;
 - why time changes at the International Date-Line;
 - why there are equal days and nights at the Equator at certain periods of the year.
- (15 marks)

5. With the aid of diagrams, explain the differences between two of the following pairs of features:
- Sill and dyke
 - Tea volcano and cinder cones
 - Cornic Lakes and Ox-bow Lakes
 - Zeugens and Yardangs
 - Ria coast and Fjord coast
- (12, 13 marks)

6. The following are representative of plants found in two climatic zones:
- Ebony, Spruce, Ferns, Pine, Mahogany, Iron wood, Larch, and Fir.
- Rearrange them under the two types of climates in which they thrive best. (5 marks)
 - State the natural vegetation with which they are associated. (2 marks)
 - On the world outline map provided, shade and name one major region where each of the vegetation types is found. (4 marks)
 - For one of the vegetation types, describe the climate and explain how it has affected the natural vegetation. (4 marks)

7. Study the table below which shows mean January and July temperatures and the mean annual rainfall of four towns.

TOWNS	January °C	July °C	Rainfall mm
A	28.5	22.0	1450
B	21.0	28.0	543
C	21.1	21.0	1395
D	21.5	26.0	885

- (a) In your answer book state:
- the town with the least rainfall;
 - the town with the greatest temperature range;
 - the town with the highest summer temperature.
- (3 marks)
- (b) Which other aspects of weather would you indicate for these stations to give a more complete picture of climate? (4 marks)
- (c) Explain the following, stating in each case the instruments used in measuring it.
- humidity;
 - precipitation;
 - atmospheric pressure.
- (9 marks)
- (d) With the aid of diagrams, explain any three factors that influence the temperature of a place. (9 marks)

8. Write a geographical essay on one of the following topics:

- local winds;
- karst topography;
- types of clouds;
- tropical soils;

(25 marks)