GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

JUNE 2022   ADVANCED LEVEL

Subject Title	Geography
Paper No.	Paper 3
Subject Code No.	0750

THREE AND A QUARTER HOURS

Answer <u>FOUR QUESTIONS</u> in all.
Answer question ONE and three others, choosing at least ONE question from SECTION B and TWO from SECTION C.
Question ONE carries <u>thirty-one</u> marks and the rest carry <u>twenty-three</u> marks each.

Only the **required** number of questions will be marked.

In answering questions on this paper, you are encouraged to refer to your own field and practical work where relevant. Credit will be awarded for such references.

Candidates are advised <u>NOT</u> to attempt the questions on field investigations if such an exercise has not been carried out.

Marks will be awarded for well annotated maps and diagrams where these are relevant.

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

Calculators are allowed.

Materials required: Topographic map, graph paper and two outline maps of Cameroon.

SECTION A

MAP WORK

1. Study the map extract of BAKAKA and its Environs at 1:50.000 provided and answer the questions
   that follow.
   a) Briefly describe the **drainage** characteristics of the map area. **(6 marks)**
   b) i) Using map evidence only, briefly state the difficulties posed by relief in the development of
      the area. **(6 marks)**
      ii) Propose strategies that can be adopted to overcome the problems identified in b) i) above. **(4 marks)**
   c) Using evidence from the map, identify and state **TWO** reasons why the northern part of the
      map is ideal for the location of a hospital. **(4 marks)**
   d) You have been consulted to determine the level of transport network development in the area:
      i) Draw a *topological diagram* of the road network. Use the following settlements as nodes:
         Quartier 8, Manjo Etam, Manengole I, Manengole II, Manengole 3, Nkong Niny 1, Nkong Niny 2,
         Ebone 1, Ebone 2, Ekang Loe and Ekomto. **(6 marks)**
      ii) Using the beta index, determine the level of transport network development in the area. **(2 marks)**
      iii) Propose measures that can be adopted to improve the transport network of the area. **(3 marks)**
      (31 marks)

SECTION B:

FIELD WORK AND TECHNIQUES

2. Based on fieldwork you have undertaken in Physical or Human Geography, choose one of the following topics:
   i) Variation in any ONE soil characteristic;
   ii) Differences in any weather element;
   iii) Changes in any ONE vegetation characteristic;
   iv) Differences in rural or urban land uses or characteristic;
   v) Location of a modern farm or agricultural system;
   vi) Changes or the relative importance of any ONE industrial or factory characteristic.

   a) With the aid of a sketch map, describe the area where the fieldwork was carried out. **(5 marks)**
   b) (i) What was the purpose of the investigations?
      (ii) State the type of data that was required. **(5 marks)**
   c) How was the data collected, processed, and presented? **(6 marks)**
   d) What was the conclusion arrived at after processing the data? **(2 marks)**
   e) What possibly accounts for the results obtained? **(3 marks)**
   f) State the significance of the fieldwork. **(2 marks)**

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3. The table below shows the population of ten villages (labelled here with letters of the alphabet A-J) in a certain
   Sub Division

Population of ten villages in a Sub Division

Village	Population
A	10,000
B	20,750
C	2,275
D	18,000
E	5,500
F	29,250
G	8,750
H	3,500
I	16,800
J	28,200

a) Calculate the interquartile range and state its significance. The formula for calculating the interquartile range is stated as:

IQR = Q3 − Q1

Where IQR is the interquartile range, Q3 is the upper quartile and Q1 is the lower quartile **(5 marks)**

b) Using the outline map of the area attached below, represent the data by means of choropleth map. Use a scale of 1:2000 and divide the population into 5 classes or groups. **(8 marks)**

c) Describe any TWO problems associated with each of the following areas:
   i) areas of high population concentration
   ii) areas of low population concentration. **(6 marks)**

d) What TWO measures can be adopted to solve the problems associated with each of the areas cited in c i) and ii) above? **(4 marks)**


SECTION C:

CAMEROON

4. a) Describe any **TWO** major relief regions of Cameroon in terms of: the average height, two main landforms and orientation of the land. **(8 marks)**

b) Explain how market and transport means have influenced the main system of agriculture in the Coastal Lowlands. **(8 marks)**

c) Briefly examine any **THREE** efforts by the government of Cameroon to improve on livestock production. **(7 marks)**

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5. a) Show how the two main seasons of Cameroon's climate are the result of the influence of air masses from different sources. **(6 marks)**

b) Examine the distribution of manufacturing industries in the Northern Lowlands of Cameroon. **(8 marks)**

c) Discuss **TWO** problems associated with the exploitation of water resources in Cameroon and suggest **TWO** measures to cope with the problems identified. **(9 marks)**

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6. a) Describe the spatial distribution of forest resources in Cameroon and locate them on the outline map provided. **(6 marks)**

b) i) Examine **TWO** major tourist attractions in the northern part of Cameroon. **(6 marks)**
   ii) Explain why tourists hardly visit them in recent times. **(6 marks)**

c) Examine the measures put in place to boost trade in Cameroon. **(5 marks)**

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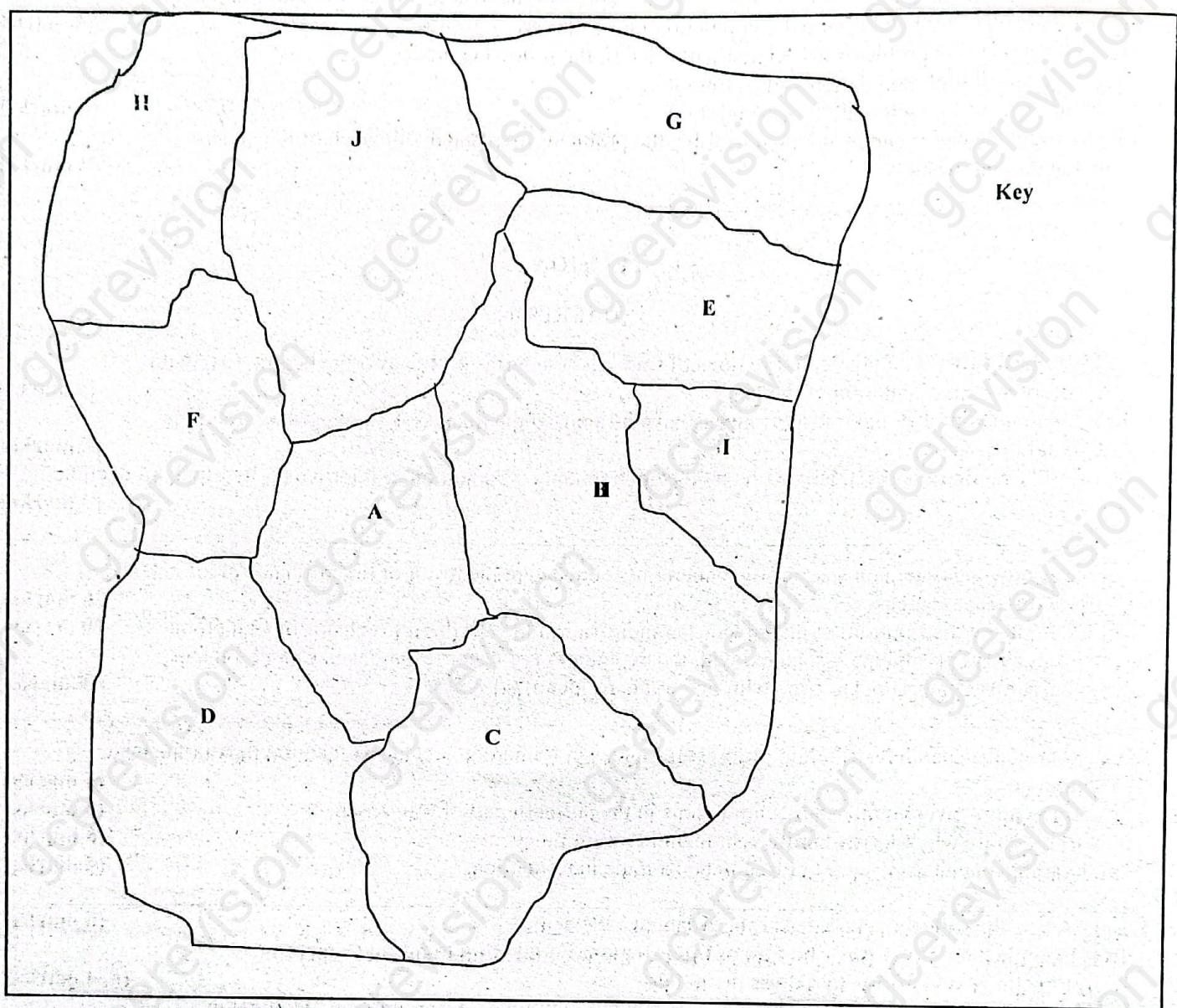
7. a) Describe the soil characteristics of the Adamawa Plateau. **(6 marks)**
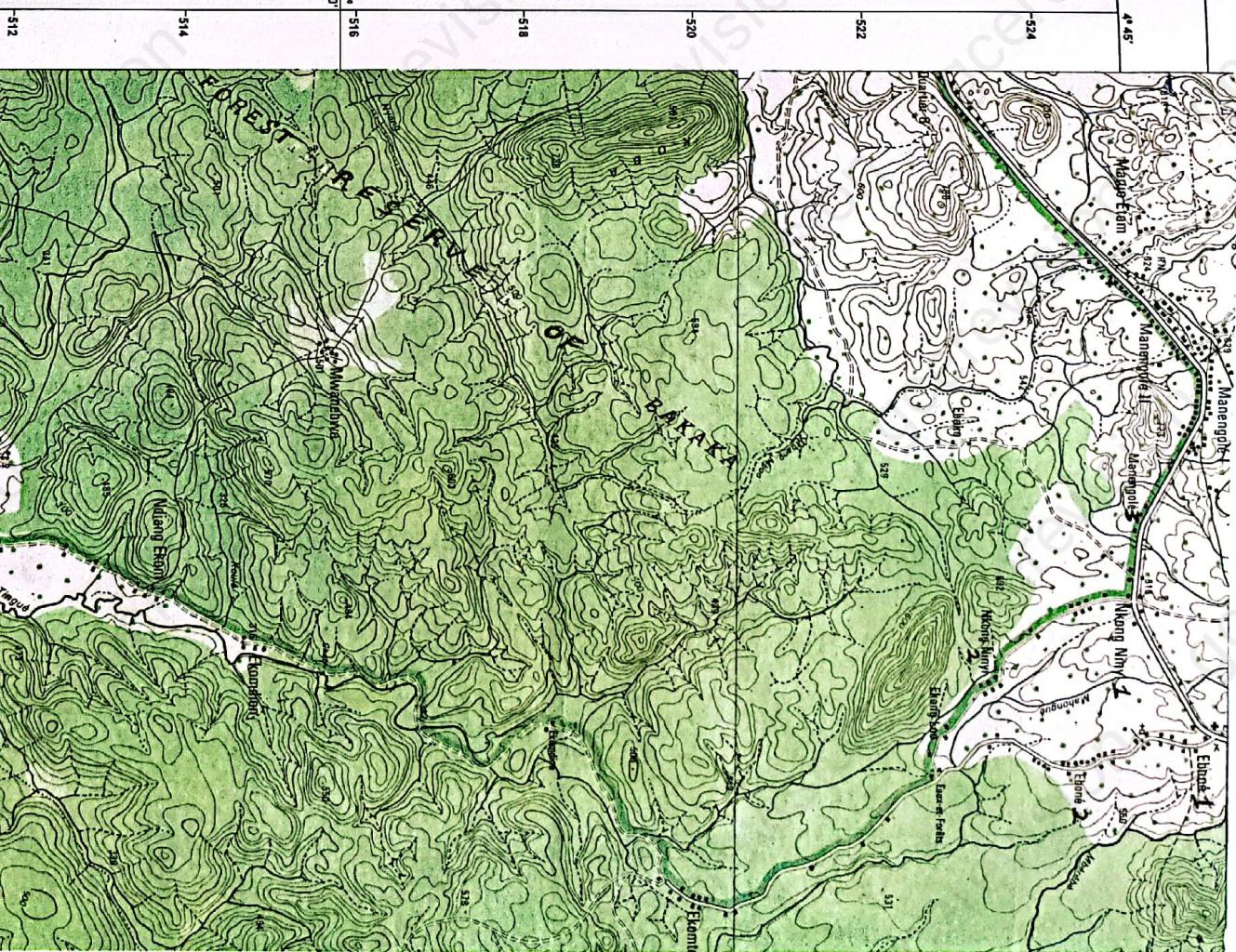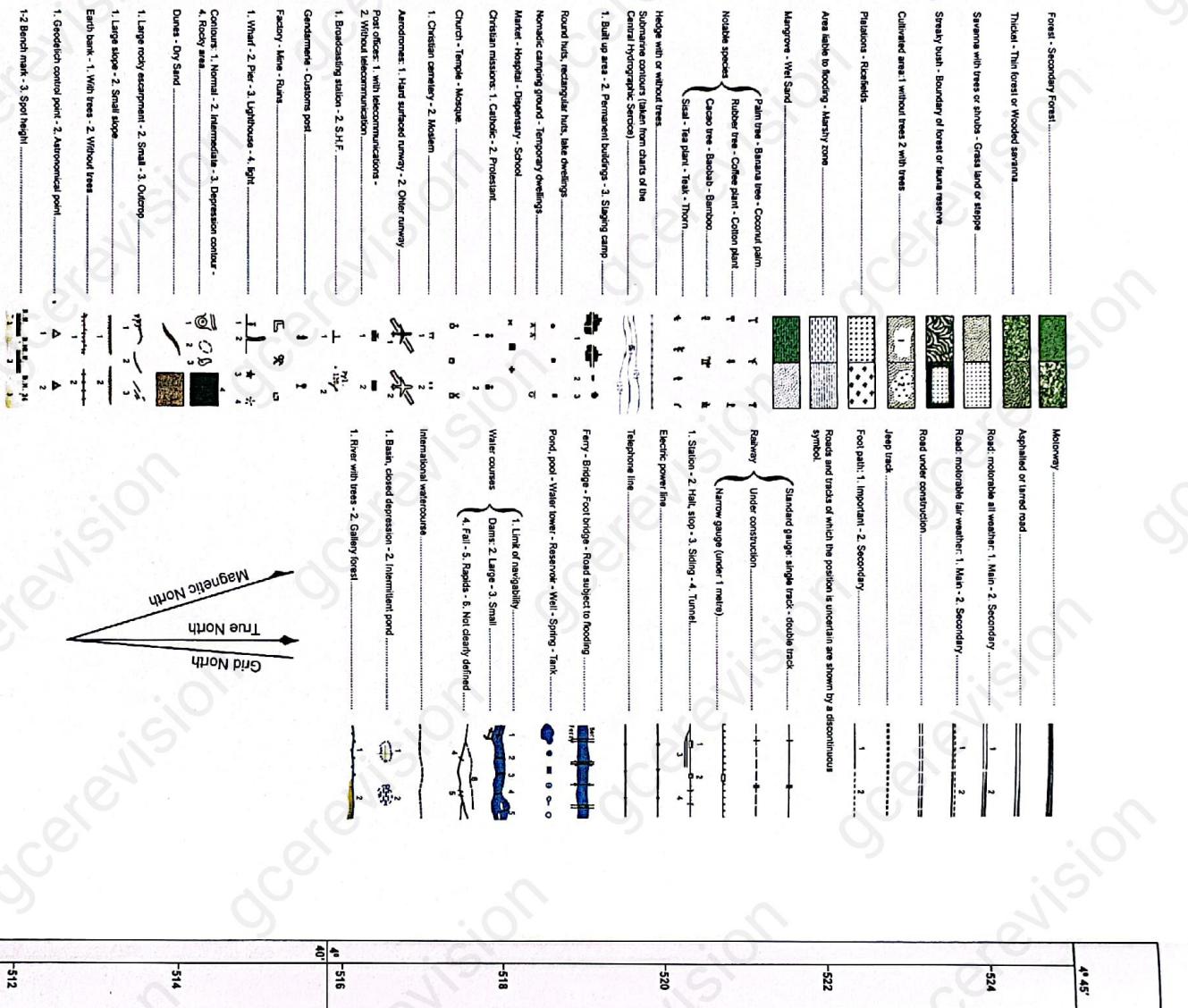
b) i) Examine any **TWO push factors** of **inter-regional migration** trends in Cameroon
   ii) Explain **TWO** efforts to redress the trends. **(6, 4 marks)**

c) Explain any **THREE** measures by the government to improve on transport development in Cameroon. **(7 marks)**

GO BACK AND CHECK YOUR WORK

MAP FOR QUESTION 3

H

J

G

Key

E

F

I

A

B

D

C

Forest : Secondary Forest
Thicket - Thin forest or Wooded savanna
Savanna with trees or shrubs - Grass land or steppe
Streaky bush - Boundary of forest or fauna reserve
Cultivated area:1 without trees 2 with trees
Plantation - Ricefields
Area liable to flooding - Marshy zone
Mangrove - Wet Sand

Notable species {
Palm tree - Banana tree - Coconut palm
Rubber tree - Coffee plant - Cotton plant
Cacao tree - Baobab - Bamboo
Sisal - Tea plant - Teak - Thorn
}

Hedge with or without trees
Submarine contours (taken from charts of the Central Hydrographic Service)

1. Built up area - 2. Permanent buildings - 3. Staging camp
Round huts, rectangular huts, lake dwellings
Nomadic camping ground - Temporary dwellings
Market - Hospital - Dispensary - School
Christian missions: 1. Catholic - 2. Protestant
Church - Temple - Ruins
1. Christian cemetery - 2. Moslem
Church - Temple - Mosque
1. Wharf - 2. Pier - 3. Lighthouse - 4. light
Factory - Mine - Ruins
Gendarmerie - Customs post
1. Broadcasting station - 2. S.H.F.
Post offices: 1. with telecommunications - 2. Without telecommunication
Aerodromes: 1. Hard surfaced runway - 2. Other runway

Contours: 1. Normal - 2. Intermediate - 3. Depression contour - 4. Rocky area
Dunes - Dry Sand
1. Large rocky escarpment - 2. Small - 3. Outcrop
1. Large slope - 2. Small slope
Earth bank - 1. With trees - 2. Without trees
1. Geodetich contour point - 2. Astronomical point
1-2 Bench mark - 3. Spot height

Motorway
Asphalted or tarred road
Road: motorable all weather: 1. Main - 2. Secondary
Road: motorable fair weather: 1. Main - 2. Secondary
Road under construction
Jeep track
Foot path: 1. Important - 2. Secondary
Roads and tracks of which the position is uncertain are shown by a discontinuous symbol

Standard gauge: single track - double track
Narrow gauge (under 1 metre)
Under construction
Railway
1. Station - 2. Halt, stop - 3. Siding - 4. Tunnel
Electric power line
Telephone line
Ferry - Bridge - Foot bridge - Road subject to flooding
Pond, pool - Water tower - Reservoir - Well - Spring - Tank

Water courses {
1. Limit of navigability
Dams: 2. Large - 3. Small
4. Fall - 5. Rapids - 6. Not clearly defined
}

International watercourse
1. Basin, closed depression - 2. Intermittent pond
1. River with trees - 2. Gallery forest

Grid North   True North   Magnetic North

12°N

10°N

6°N

2°N

10°E

16°E

2022/0750/3