GENERAL CERTIFICATE OF EDUCATION BOARD

General Certificate of Education Examination

JUNE 2025 **ADVANCED LEVEL**

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

Duration: Three and a Quarter Hours

Answer ALL THE THREE QUESTIONS.

Question ONE carries THIRTY-FOUR marks and the rest carry THIRTY-THREE marks each.

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.

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.

Non Programmable Calculators Are Allowed.

Materials required: **Topographic map, Graph Paper and Photograph.**

SECTION A:
MAP WORK AND THE BASICS OF MODERN CARTOGRAPHY

1. Study the Map of **Santa and Environs** at 1:50 000 and answer the questions that follow:

(a) With map evidence only:

(i) Describe the relief and show how it constitutes a constraint to the horizontal expansion of Santa. **(6 marks)**

(ii) Describe the drainage characteristics of the entire map **(4 marks)**

(iii) Suggest ONE measure each for relief and drainage that can be adopted to expand the Santa built-up area. **(3 marks)**

(iv) Suggest TWO reasons for the presence of the Bafut Ngemba Forest in the north east. **(3 marks)**

(b) With the aid of sketch map show the site and situation of the town of Santa **(4 marks)**

(c) (i) Calculate the Detour Index of the section of the Trans-national road from Mile 12 (1751) to the northern extreme. **(4 marks)**

(ii) State the significance of the result obtained. **(2 marks)**

(iii) Suggest TWO actions that can be taken to reduce deviations along the Trans-national road. **(2 marks)**

(d) (i) Identify and justify the environmental problem portrayed by the photograph. **(2 marks)**

(ii) Suggest two possible causes of the problem identified **(2 marks)**

(iii) State two measures that can be adopted to overcome the identified problem **(2 marks)**

TOTAL = (34 marks)

SECTION B:
STATISTICAL TECHNIQUES

2. (a) Study Table 1 below showing the distribution of settlements in part of the South West Region of Cameroon on a total land area of 50km^2.

Table 1: Distribution of Settlements in SW Cameroon.

Village		Nearest neighbour	Distance from nearest neighbour (km)
1	Limbe	Bonadikombo	1.5
2	Moliwe	Ombe	2.0
3	Ombe	Moliwe	2.0
4	Mutengene	Mile 14	3.0
5	Mile 14	Bolifamba	3.0
6	Bolifamba	Bulu	1.0
7	Bulu	Molyko	1.0
8	Molyko	Bonduma	1.5
9	Bondouma	Great Soppo	1.5
10	Great Soppo	Bokwango	2.0
11	Bokwango	Tole	2.0

Source: Hypothetical

Go on to the next page

(i) Calculate the mean distance between the neighbours. **(4 marks)**

(ii) Using the Nearest Neighbour Index (Rn) formula stated as:

$$Rn = 2\bar{d}\sqrt{\frac{n}{A}}$$

Where Rn is the Nearest Neighbour Index, $\bar{d}$ = the mean distance, n = the number of points or settlements and A = the total surface area.

Calculate the Nearest Neighbour Index for this distribution of settlements. **(6 marks)**

(iii) Outline TWO significance and TWO limitations of the Nearest Neighbour Index **(4 marks)**

(b) After a fieldwork exercise to investigate the relative importance of factors influencing the location of a soap factory in Yaoundé, a frequency table was established as shown below (Table 2).

Table 2: Frequency table to show the most important factor (that is, the number of times each factor appears)

ITEMS	Frequency	Rank	Percentages	In degrees
1. Raw material	3	3rd	19	
2. Power	1	4th	6	
3. Labour	5	2nd	31	112
4. Market	7	1st	44	
Total	**16**		**100**	**360**

(i) Complete the table and represent the data using a pie chart. Let the radius of the circle be 4cm **(8 marks)**

(ii) From the pie chart, which is the dominant locational factor? **Justify your answer.** **(2 marks)**

(c). Study the table below, which shows the three towns in Cameroon as per population size (2012 population estimate) and answer the questions that follow.

Table 3: Three towns in Cameroon and their population size (2012 estimate)

Name	Population (2023 est.)
Yaounde	2,440,062
Bafoussam	301,894
Buea	119,039

(i) Using the outline map of Cameroon provided, represent the data using proportional circles. **Let 3cm be the maximum circle size.** **(5 marks)**

(ii) State two advantages and two disadvantages of proportional circles? **(2 marks)**

(iii) Describe any other appropriate technique that can be used to represent the data **(2 marks)**

TOTAL = (33 marks)

SECTION C:

FIELDWORK AND PROJECT-BASED LEARNING

3. **EITHER**

Based on fieldwork you have carried out **either in Physical or Human Geography**, choose **ONE** of the Following topics:

(i) Weather characteristics

(ii) Coastal processes

(iii) Soil characteristics

(iv) Traffic flow characteristics

(v) Rural or Urban land use/characteristics

(vi) Agricultural or Industrial systems

(a) Using a sketch map, locate the area of your fieldwork investigation. **(5 marks)**

(b) State your objective and hypothesis that guided your investigation of the topic. **(3 marks)**

(c) Outline the main type of data needed to verify the hypothesis. **(4 marks)**

(d) Describe how your data was collected. **(6 marks)**

(e) How was your data analyzed and presented? **(6 marks)**

(f) What were your findings in relation to the hypothesis and conclusion? **(4 marks)**

(g) State one problem encountered during the investigation and how it was overcome. **(3 marks)**

(h) Of what significance was the fieldwork to your community? **(2 marks)**

TOTAL = (33 marks)

OR

Based on **any one project** you have investigated, answer the following questions;

(a) Using a sketch map, locate where the project was carried out. **(6 marks)**

(b) State the problem under study. **(3 marks)**

(c) State the objective and the possible outcome of the results. **(3 marks)**

(d) What was the duration of your studies and what resources were used? **(4 marks)**

(e) Briefly describe how the investigation was carried out. **(4 marks)**

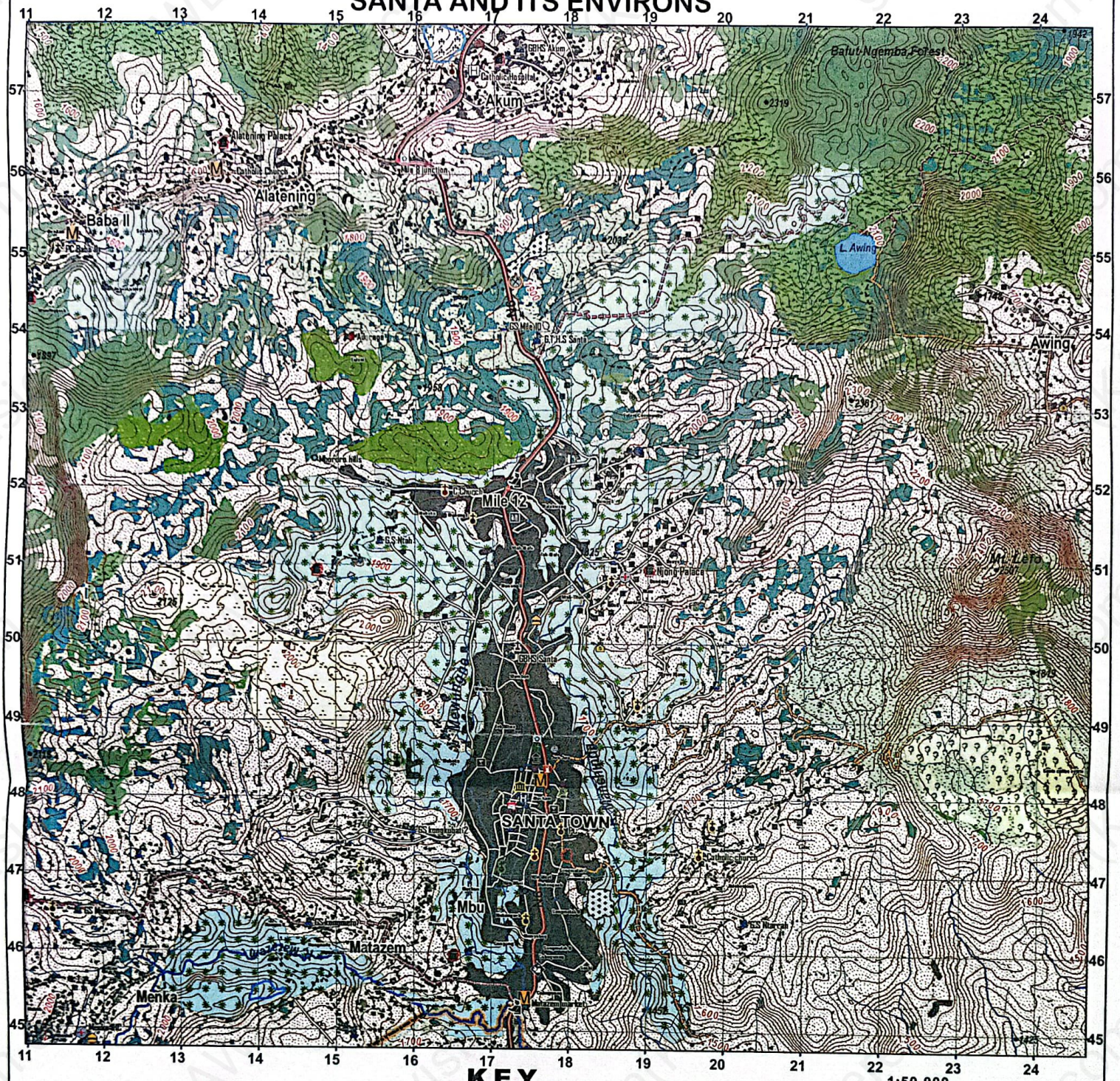
(f) How was the data analyzed and presented? **(6 marks)**

(g) Suggest any two solutions to the problem investigated. **(4 marks)**

(h) Of what importance were the findings to your community? **(3 marks)**

(TOTAL = 33 marks)

SANTA AND ITS ENVIRONS



KEY

Landuse/Landcover

Agricultural
- Arable Land
- Mechanised Farming
- Orchard
- Palm Plantation
- Tea Plantation
- Market Gardening
- Indigeous Mixed Tree Cropping
- Coffee Estate
- Ranch

Other Landuses
- Urban Settlement
- Rural Settlement
- Sporting Ground
- Greenspace

Vegetation
- Evergreen Forest
- Montane Forest
- Eucalyptus
- Wooded Savanna
- Scrub
- Degraded Surface

Road Infrastructure
- N8 — Trans-national
- Regional
- Divisional(Not tarred)
- Tertiary(Not tarred)
- Residential(Not tarred)
- Footpath
- Track
- Roads Under construction

Relief Elements
- Trigonometrical station
- Benchmark
- 1589 — Spot height
- 1600 — Main Contour(100m)
- Minor Contour(20m)
- Contour interval = 10m
- Escarpment

Hydrography
- River
- Sream
- Waterbody
- Swamp
- Waterfall

Scale 1:50,000

1 0.5 0 1 2 3 km

2Cm represent 1km

Administrative boundaries
1. Regional 2. Divisional
3. Sub-Divisional 4. Ethnic

Diagrammatic only

General Features

Educational Facilities..... 1.Government Bilingual College 2.Government College 3.Confessional College 4.Private College 5. Government Primary School 6.Private Primary 7.Professional School

Potable Water ... 1.Water Treatment Center 2.Storage Tank 3.Stand tap 4.Improved Spring 5.Spring

Transport Facilities.... 1.Bus Station 2.Motor park 3.Fuel Station 4.Garage 5.Driving School 6.Car Salespoint 7.Car Washing point

Communication 1.TV Station 2.Radio Station 3.Post Office 4.Cyber Cafe 5.Printing Press 6.Atenna

Commercial Facilities..... 1.Big Market 2.Market 3.Retail Shop 4.Cattle Market 5.Slaughter house

Financial Institutions..... 1.Finance building 2.Bank 3.Micro Finance 4.Express Exchang

Administration..... 1.DO's Office 2.Municipal Council 3.Public Office

Judiciary/Security..... 1.Court 2.Customary Court 3.Police Station 4.Gerdamarie Brigade 5.Military Bae 6.Fire Brigade 7.Prison 8.Police Control 9.Custom Office

Health Facilities..... 1.District Hospital 2.Hospital 3.Medicalised Health Center 4.Integrated Health Center 5.Health Center 6.Clinic 7.Pharmacy 8.Traditional Clinic

Tourist Facilities..... 1.Big Hotel 2.Hotel 3.Inn 4.Rest Home 5.SIC Houses 6.Cinema Hall 7.Nightclub 8.Restaurant 9.Snackbar

Tourist Destinations.... 1.Big Palace 2.Palace 3.Handicraft Center 4.Manjong Hall 5.Tourist Information Center

Research Institutions.. 1.Agro Research Institute 2.Experimental Center 3.Research Institutions 4.Non-governmental Organisation

Children's Home..... 1.Orphanage 2.Children's Care Center

Religious Institutions.... 1.Cathedral 2.Catholic Church 3.Presbyterian Church 4.Baptist Church 5.Evangelical Church 6.Pentecostal Church 7.Mosque 8.Kingdom Hall 9.Seminary 10.Convent 11.Cemetery 12.Pilgrimage Center

Resource Exploitation.... 1.Forest Exploitation 2.Stone Mining 3.Sand Mining

Production/Public utility.. 1.Bakery 2.Trashcan 3.Toilet 4.Community Hall

SEPARATE SHEET (INSERT) IN COLOUR

Photo for Question 1d(i)

Figure 1: Photo of settlement

SEPARATE SHEET (INSERT)
MAP FOR QUESTION 2 c(i)