

202 S. H. S. C. E.  
May 2013  
GEOGRAPHY 1 & 2  
Objective and Essay Tests  
2½ hours

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Index Number: 11102292-1

## THE WEST AFRICAN EXAMINATIONS COUNCIL

### Senior High School Certificate Examination

GEOGRAPHY

May 2013

2½ hours

Do **not** open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your **name** and **identification number** in the space provided above.

This paper consists of **two** parts: **Papers 1 and 2**. Answer **Paper 1** on your **Objective Test Answer Sheet** and **Paper 2** in your **Answer Booklet**. **Paper 1** will last for **1 hour** after which the answer sheet will be collected. Do **not** start **Paper 2** until you are told to do so. **Paper 2** will last for **1½ hours**.

### PAPER 1

OBJECTIVE TEST

[40 marks]

1 hour

- Use **2B** pencil throughout.
- On the objective answer sheet supplied, provide the following details **correctly**:
  - Supply the information required in the spaces marked **CENTER NAME**, **CENTER No.**, **SCHOOL NAME** and **SCHOOL No.**
  - In the space marked **STUDENT'S NAME**, write your **surname** followed by your **other names**. Write your **IDENTIFICATION NUMBER** in the space marked **STUDENT No.**
  - In the spaces marked **SUBJECT** and **GRADE**, write **GEOGRAPHY** AND **12TH** in that order.
  - In the box marked **IDENTIFICATION NUMBER**, provide your **identification number** vertically in the spaces on the left-hand side and shade each numbered space in line with each digit. This identification number must be the same as the one indicated on your Admission Slip. Repeat the process with the correct information for the box marked **YEAR OF FIRST ENTRY**.
  - In the box marked **Subject Code**, write the digits **202** vertically in the spaces on the left-hand side. **Shade** the corresponding numbered spaces as you did for your identification number.
- An example is given below. This is for a **male** candidate whose name is **Sagbeh Bondoe FANIA**. His identification number is **101123456**; his first entry is in **2013** and he is offering **Geography**.

### THE WEST AFRICAN EXAMINATIONS COUNCIL-LIBERIA

PRINT IN BLOCK LETTERS	
<b>TOE-BROWNE ACADEMY</b> CENTER NAME	<b>500104</b> CENTER No.
<b>WYNNA GAYVOLOR HIGH SCHOOL</b> SCHOOL NAME	<b>101123</b> SCHOOL No.
<b>FANIA, Sagbeh Bondoe</b> STUDENT NAME	<b>456</b> STUDENT No.
<b>GEOGRAPHY</b> SUBJECT	<b>12TH</b> GRADE

IDENTIFICATION NUMBER									
1	2	3	4	5	6	7	8	9	0
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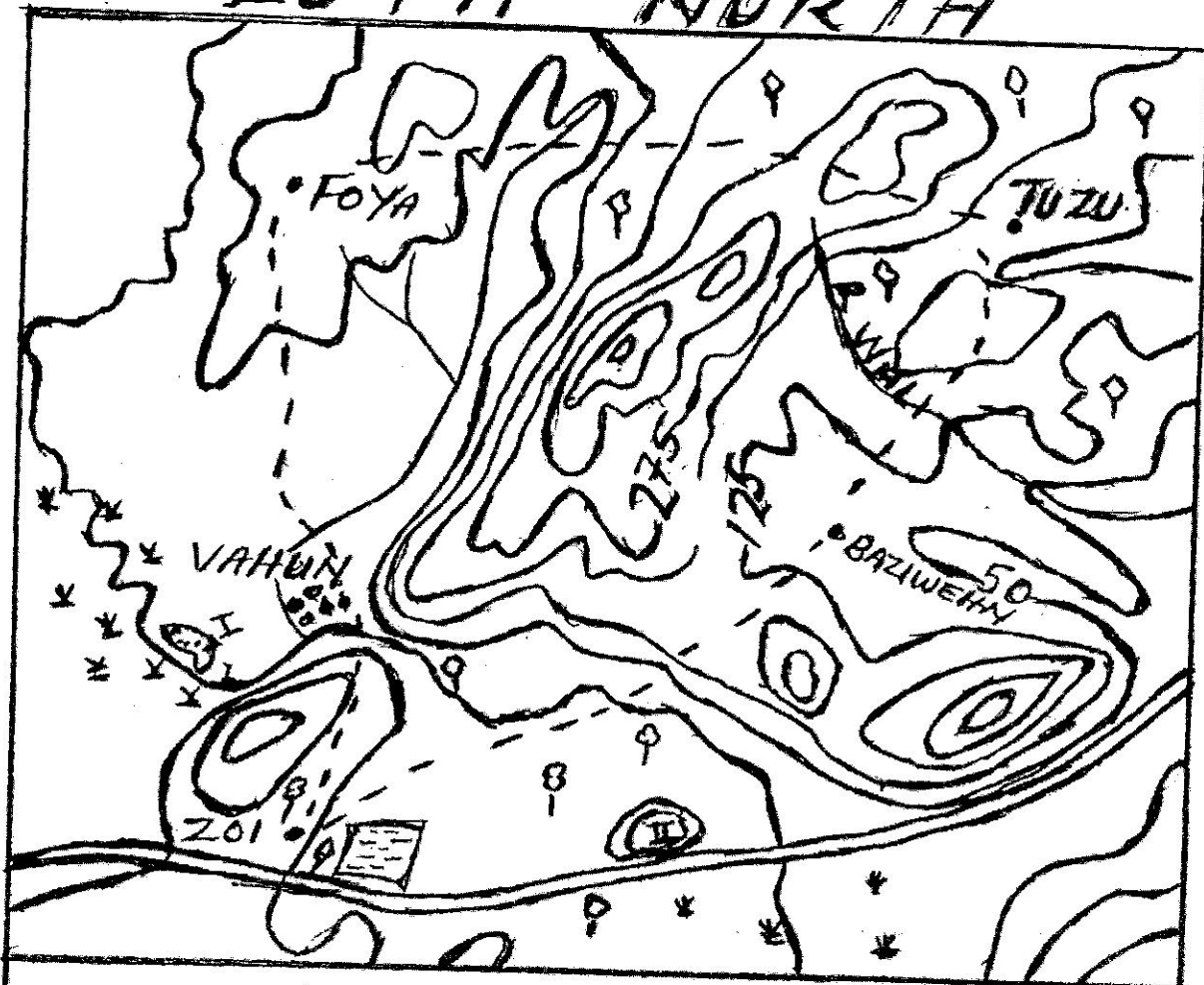
YEAR OF FIRST ENTRY									
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SUBJECT CODE									
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For Supervisors only.  
If a candidate is absent  
shade this space. ☐

Shade the space marked  
M (for Male) or F (for Female)  
In this box ☐ M ☐ F

## LOFA NORTH



SCALE 1:25 000

KEY

60°	CONTOUR	88	FOREST
::	SETTLEMENT	W	MARSH
- - -	FOOTPATH	//	ROAD
~	RIVER	☐	TEAK PLANTATION

3  
**PAPER 1**  
**OBJECTIVE**  
[40 marks]

Answer **all** the questions.

1 hour

*Paper 1 consists of **sixty** questions. Each question is followed by **four** options lettered **A** to **D**. Choose the correct option for each question and shade in **pencil** on your answer sheet the space which bears the same letter as the option you have chosen. Give only one answer to each question. An example is given below.*

The **largest** man -made lake in Liberia can be found in

- A. Nimba County.
- B. Grand Gedeh County.
- C. Lofa County.
- D. Grand Cape Mount County.

*The correct answer is **Nimba County** which is lettered **A** and therefore answer space **A** would be shaded.*

[ ☒ ]

[B]

[C]

[D]

*Think carefully before you shade any of the answer spaces; erase completely any answer you wish to change.*

*Do **all** your rough work on this paper. Now answer the following questions.*

*Study the map of **LOFA NORTH** on page 2 together with its key and answer questions **1** to **11**.*

- |   |   |
|---|---|
| <p>1. The vertical interval on the map is</p> <ul style="list-style-type: none"><li>A. 50 meters.</li><li>B. 75 meters.</li><li>C. 115 meters.</li><li>D. 150 meters.</li></ul> <p>2. The distance a farmer will walk from Vahun to his farm at Foya is approximately</p> <ul style="list-style-type: none"><li>A. 1.5 cm.</li><li>B. 6 cm.</li><li>C. 1.5 km.</li><li>D. 6 km.</li></ul> <p>3. If the map is enlarged to <b>four</b> times its original size, the scale of the new map will be</p> <ul style="list-style-type: none"><li>A. 1:100000.</li><li>B. 1:50000.</li><li>C. 1:10250.</li><li>D. 1:6250.</li></ul> <p>4. Which of the following <b>best</b> describes the relief of LOFA NORTH? It is a/an</p> <ul style="list-style-type: none"><li>A. dissected highland.</li><li>B. plain.</li><li>C. plateau.</li><li>D. undulating plain.</li></ul> | <p>5. The settlements in the map area perform</p> <ul style="list-style-type: none"><li>A. commercial functions.</li><li>B. mining functions.</li><li>C. agricultural functions.</li><li>D. administrative functions.</li></ul> <p>6. Which of the following cash crops is <b>most</b> likely to be grown in the area west of Vahun?</p> <ul style="list-style-type: none"><li>A. Cocoa</li><li>B. Sugar cane</li><li>C. Coffee</li><li>D. Kola</li></ul> <p>7. Which of the following secondary activities is possible to be established at Zoi?</p> <ul style="list-style-type: none"><li>A. Cement making</li><li>B. Fish canning</li><li>C. Furniture making</li><li>D. Chocolate making</li></ul> <p>8. The <b>highest</b> elevation on the map is</p> <ul style="list-style-type: none"><li>A. 775 meters.</li><li>B. 700 meters.</li><li>C. 500 meters.</li><li>D. 275 meters.</li></ul> |
|---|---|

**Turn over**

9. The features identified as **II** is a good example of  
 A. an inselberg.  
 B. a composite cone.  
 C. a knoll.  
 D. a ridge.
10. What is the exact location of the landform marked **I** on the map?  
 A. East of Vahun  
 B. Northwest of Zoi  
 C. South of Vahun  
 D. North of Zoi
11. The alignment of the road at the southern part of the map area is influenced by the location of the  
 A. plantation.  
 B. river.  
 C. swamp.  
 D. relief features.
12. The process by which the earth's surface is generally reshaped and lowered is known as  
 A. erosion.  
 B. weathering.  
 C. denudation.  
 D. synclination.
13. The monthly range of temperature is the  
 A. total daily temperature of the month divided by the number of days of the month.  
 B. difference between the highest and the lowest temperature of the month.  
 C. sum of the daily temperatures of the month.  
 D. product of the highest and the lowest daily temperature of the month.
14. Which of the following is **not** important in defining soil?  
 A. Color  
 B. Capillary water  
 C. Texture  
 D. Permeability
15. The environmental lapse rate is **best** described as  
 A. a fall in air temperature by  $6.5^{\circ}\text{C}$  per 100 m of ascent.  
 B.  $6.5^{\circ}\text{C}$  per 100 m of ascent in the atmosphere.  
 C. a decrease of air temperature by  $6.5^{\circ}\text{C}$  per 1000m ascent in the troposphere.  
 D. the range of temperature changes within the stratosphere.
16. Which of the following environmental hazards has been paired with the wrong factor?  
 A. Flood → human factor  
 B. Deforestation → human factor  
 C. Drought → climate  
 D. Coastal action → wave erosion
17. All of the following intervene in the natural environment **except**  
 A. construction works.  
 B. land reclamation.  
 C. harmattan.  
 D. farming.
18. Which of the following factors **least** affects the distribution of vegetation?  
 A. Rainfall  
 B. Temperature  
 C. Man  
 D. Wind
19. Which of the following does **not** encourage desertification?  
 A. Over grazing and over cultivation  
 B. Large scale irrigation schemes  
 C. Reduction in mean annual rainfall  
 D. Bush burning during the year
20. The active human population is determined by the  
 A. density per unit.  
 B. age distribution.  
 C. male female ratio.  
 D. racial discrimination.
21. Which of the following is a product of chemical weathering?  
 A. Dyke  
 B. Grike  
 C. Scree  
 D. Exfoliation dome

22. Salinity is mainly dependent on  
 I evaporation  
 II the amount of fresh water added  
 III ocean current  
 IV wind  
 A. I, II and III only  
 B. I and II only  
 C. II and III only  
 D. II and IV only
23. The **innermost** part of the earth which is rich in iron and nickel usually subjected to great heat and pressure is called  
 A. hydrosphere.  
 B. barysphere.  
 C. mesosphere.  
 D. lithosphere.
24. What is the local time of a place on longitude 64°E when the GMT is 10 a.m.?  
 A. 2:16 a.m  
 B. 2:16 p.m  
 C. 4:16 p.m  
 D. 5:44 p.m
25. Which of the following cities in Liberia does **not** lie in a dry zone?  
 A. Tappita  
 B. Suakoko  
 C. Monrovia  
 D. Zwedru
26. The liquid portion of the earth may be referred to as the  
 A. hydrosphere.  
 B. troposphere.  
 C. lithosphere.  
 D. atmosphere.
27. An intrusion of magma along the bedding plain is called a  
 A. sill.  
 B. batholith.  
 C. dyke.  
 D. lava plain.
28. One **major** relative advantage of road transportation over rail transportation is that it  
 A. provides door to door service.  
 B. is cheaper for bulky goods.  
 C. is more comfortable.  
 D. provides more amenities.
29. All the following are products of chemical industry **except**  
 A. alumina.  
 B. fertilizers.  
 C. synthetic rubber.  
 D. plastics.
30. Which of the following planets has **no** satellite?  
 A. Jupiter  
 B. Neptune  
 C. Uranus  
 D. Venus
31. An eclipse of the moon occurs when the earth  
 A. rotates on its axis.  
 B. revolves around the sun.  
 C. comes between the moon and the sun.  
 D. revolves around the moon.
32. A rock pedestal is a feature of  
 A. marine erosion.  
 B. wind erosion.  
 C. coastal erosion.  
 D. water erosion.
33. Heavy rainfall favors the formation of acid soils because it  
 A. causes more leaching of human base elements.  
 B. results in greater leaching of alkaline soils.  
 C. results in thick vegetation cover.  
 D. results in greater weathering of minerals.
34. The tropical rain forest is characterized by all the following **except**  
 A. little undergrowth.  
 B. trees with thorny leaves.  
 C. multiple plant species.  
 D. evergreen trees.
35. The ancient Greeks classified the climates of the world into  
 A. hot, cold and medium zones.  
 B. hot, mild and cold zones.  
 C. torrid, temperate and frigid.  
 D. hot, moist and cold zones.

36. A slender, downward growing pinnacle that hangs from a cave roof is a  
 A. stalactite.  
 B. grike.  
 C. clint.  
 D. stalagmite.
37. The degree of fineness or coarseness of rocks is referred to as  
 A. texture.  
 B. structure.  
 C. fertility.  
 D. composition.
38. Which of the following **least** accounts for Java's high population density?  
 A. Intensive farming  
 B. Adequate rainfall  
 C. Good communication network  
 D. Modern banking facilities
39. Which of the following activities engages the largest percentage of human resources in Africa?  
 A. Mining  
 B. Transportation  
 C. Manufacturing  
 D. Agriculture
40. Which of the following settlements is the largest?  
 A. Agglomeration  
 B. Conurbation  
 C. Megapolis  
 D. City
41. The **major** problem facing the utilization of human resources in West Africa is  
 A. soil fertility.  
 B. unemployment.  
 C. migration.  
 D. inter-regional war.
42. Which of the following countries is located within the horn of Africa?  
 A. Djibouti  
 B. Libya  
 C. Somalia  
 D. Swaziland
43. In Africa, the Mediterranean climate occurs in the  
 A. extreme north and south.  
 B. northern part.  
 C. southern part.  
 D. south-eastern coastland.
44. Igneous rock contains  
 A. humus.  
 B. strata.  
 C. fossils.  
 D. crystals.
45. An active volcano is the one that  
 A. erupts periodically.  
 B. will not erupt.  
 C. has not erupted recently.  
 D. had earlier erupted.
46. All of the following are important in the environmental balance **except** the  
 A. oxygen circle.  
 B. carbon circle.  
 C. nitrogen circle.  
 D. food chain.
47. Which of the following arrangement represents an increasing size of settlement?  
 A. Hamlet, Village, Town and Conurbation  
 B. Town, Conurbation, Village and Hamlet  
 C. Hamlet, Village, Conurbation and Town  
 D. Conurbation, Hamlet, Town and Village
48. A high population density means a large number of  
 A. persons over large area.  
 B. persons in relation to available natural resources.  
 C. persons per unit area.  
 D. urban dwellers.
49. The standard railway gauge is  
 A. 133cm.  
 B. 134 cm.  
 C. 143 cm.  
 D. 144 cm.

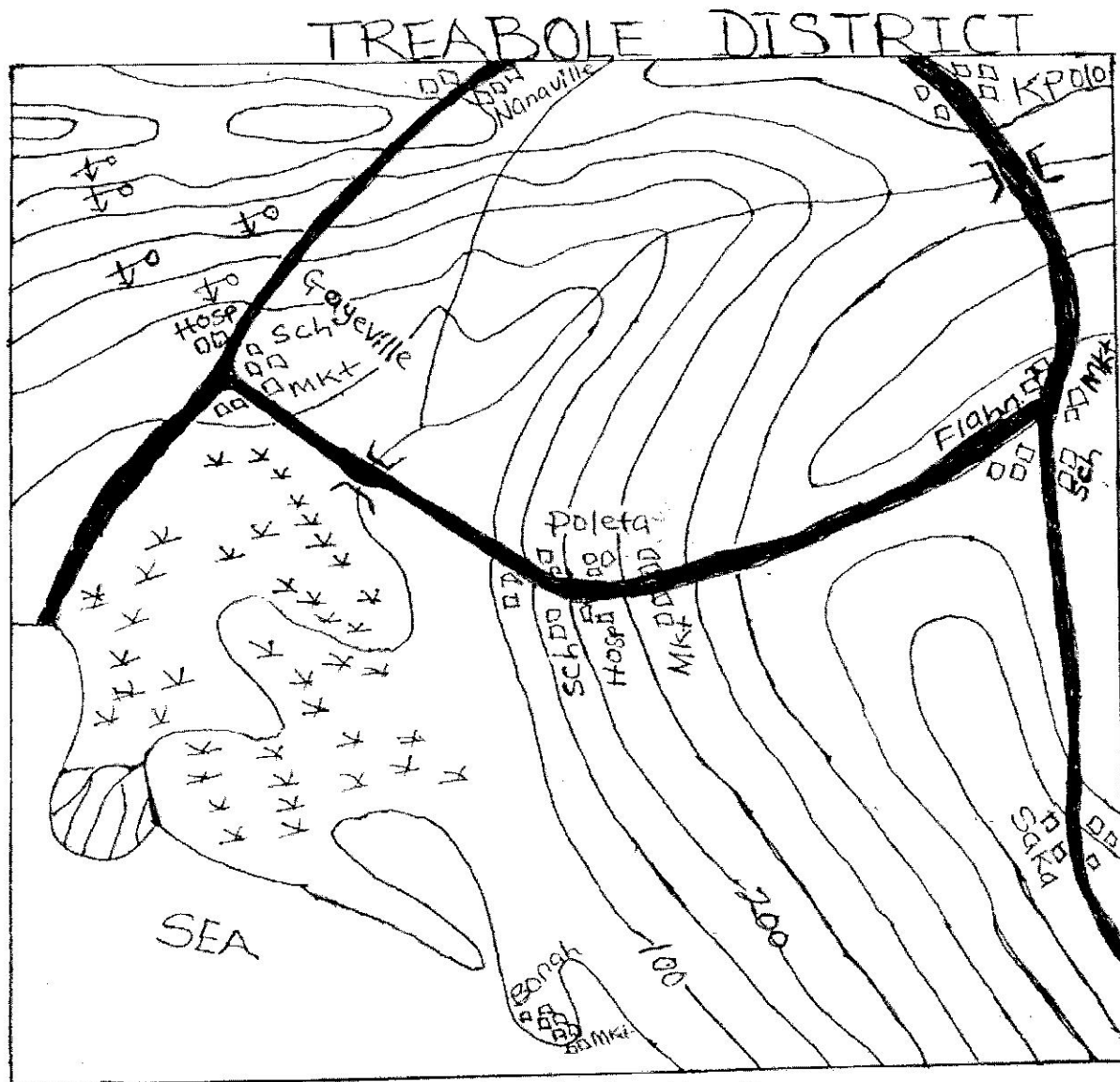
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50. The planet often considered as the earth's twin because of its close similarity in size, mass and density is  
A. saturn.  
B. neptune.  
C. mars.  
D. venus.
51. *It is dry, hot and dusty and originated from the Sahara desert.* Which of the following winds does this statement describe?  
A. Tsunamis  
B. Current  
C. Ripples  
D. Sirocco
52. Which of the following minerals is derived from sedimentary rock?  
A. Diamond  
B. Gold  
C. Coal  
D. Aluminum
53. The axis of the earth is inclined to the plane of the ecliptic at an angle of  
A.  $23\frac{1}{2}^{\circ}$ .  
B.  $45^{\circ}$ .  
C.  $66\frac{1}{2}^{\circ}$ .  
D.  $90^{\circ}$ .
54. On September 23<sup>rd</sup>, all towns in the northern hemisphere experience  
A. complete darkness.  
B. longer nights and shorter days.  
C. equal length of days and nights.  
D. longest days and shorter nights.
55. The relationship between the components of the ecosystem can **best** be described as  
A. inter-dependent.  
B. parasitic.  
C. static.  
D. multi-dimensional.
56. Most conservation efforts are aimed at  
A. protecting wild life only.  
B. protecting renewable and non renewable resources.  
C. protecting forest reserves.  
D. improving re-forestation and irrigation methods.
57. The world's **largest** producer of silver is  
A. China.  
B. Japan.  
C. India.  
D. Mexico.
58. In Africa, veldt is located in the  
A. western coastal land.  
B. eastern coastal land.  
C. southern part.  
D. extreme north and south.
59. The shape of the earth can **best** be described as  
A. geoid.  
B. spheroid.  
C. sphere.  
D. circle.
60. All of the following are sequences of denudation **except**  
A. weathering.  
B. erosion.  
C. wind.  
D. transportation.

**END OF OBJECTIVE TEST**







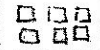
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**YOU WILL BE SEVERELY PENALIZED IF YOU ARE  
FOUND LOOKING AT THE NEXT PAGE BEFORE  
YOU ARE TOLD TO DO SO.**





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	CONTOUR IN METERS		MINERAL WORKINGS
	ROAD		RIVER
	BRIDGE		SWAMP
	SETTLEMENT		



**PAPER 2**  
**ESSAY**  
**[60 marks]**

**1½ hours**

*Paper 2 consists of **ten** questions, divided into **four** sections: **A, B, C and D**. You are required to answer **four** questions in all. **Section A** is compulsory. Answer **one** question **each** from sections **B, C and D**. Use pen (**black or blue**). Clarity of expression and orderly presentation of materials are essential.*

**SECTION A**  
**MAP WORK (COMPULSORY)**  
**[15 marks]**

*Study the map of **TREABOLE DISTRICT** with its key provided on page 8 and answer the following questions.*

1. (a) State the bearing of Saka from Nanaville.
- (b) Mention any **three** functions of Gayeville with the support of map evidence.
- (c) Calculate the actual distance in kilometers along the road from Gayeville to Kpolo.
- (d) Calculate the entire area covered by the map in kilometer square.
- (e) State any **three** occupations of the people in Treabole District.

**SECTION B**  
**ELEMENTS OF PHYSICAL GEOGRAPHY**  
**[15 marks]**

*Answer **one** question only from this section.*

2. (a) Highlight any **two** similarities and differences between the lines of longitude and latitude.
- (b) Calculate the distance between Voinjama (latitude 30° N) and Harper (latitude 40° S).
3. (a) Identify any **three** features which indicate that the coastline is retreating in some places while it is advancing in other areas.
- (b) Analyze any **three** ways in which the sea is harmful to man.
4. (a) Distinguish between *twilight* and *dawn*.
- (b) With the aid of appropriate diagrams, describe the formation of the types of rainfall.

**SECTION C**  
**ELEMENTS OF HUMAN GEOGRAPHY**  
**[15 marks]**

*Answer one question only from this section.*

5. (a) Outline any **three** factors that promote tourism.  
 (b) Highlight any **four** problems of tourism.
  
6. (a) Identify any **three** factors that influence the development of hydro-electric power.  
 (b) Highlight any **five** economic importance of hydro-electric power.
  
7. Write short notes on agriculture under the following headings:
  - (a) Mechanized farming;
  - (b) Mixed farming;
  - (c) Crop rotation; and
  - (d) Intensive farming.

**SECTION D**  
**GEOGRAPHY OF AFRICA**  
**[15 marks]**

*Answer one question only from this section.*

8. (a) With the aid of a sketch map of Liberia, mark and name any **two** urban and rural (village) settlements.  
 (b) Outline any **five** interrelations between the urban and rural settlements.
  
9. (a) On a sketch map of West Africa show and name any **five** fishing grounds.  
 (b) Outline any **five** problems that hinder fishing activity in West Africa.
  
10. (a) (i) Draw an outline map of Africa.  
 (ii) Mark on the outline map in (i) any **three** man-made lakes and name **each** of them.  
 (b) Highlight any **five** economic importance of lakes.

**END OF PAPER**