P2041 Nov.
W.A.S.S.C.E. 1999
GEOGRAPHY 1
Objective & Essay
2 hours 40 minutes

Name:	
Identification Number:	

THE WEST AFRICAN EXAMINATIONS COUNCIL

West African Senior School Certificate Examination

November 1999

GEOGRAPHY 1

2 hours 40 minutes

Do not open this booklet until you are told to do so. While you are waiting, read the following instructions carefully. Write your Name and Identification Number in the spaces provided at the top right-hand corner of this booklet. This paper consists of two sections; answer Section A on your Objective Test answer sheet and Section B in your answer book. Section A will last for 50 minutes after which the answer sheets will be collected. Do not start Section B until you are told to do so. Section B will last for 1 hour 50 minutes.

Section A
OBJECTIVE TEST
[50 marks]

50 minutes

1. Use HB pencil throughout.

2. If you have got a blank answer sheet, complete the top section of it as follows:

(a) In the space marked Name, write in capital letters your surname followed by your other names.

(b) In the spaces marked Examination, Year, Subject and Paper, write 'W.A.S.S.C.E.', '1999 NOVEMBER,' 'GEOGRAPHY' and '1', respectively.

(c) In the box marked *Identification Number*, write down your **Identification number** vertically in the spaces on the left-hand side. There are numbered spaces in line with each digit. Shade carefully the space with the same number as each digit.

(d) In the box marked Subject Code, write down the digits 204113 in the spaces on the left-hand side. Shade the corresponding numbered spaces in the same way as for your identification number.

(e) In the box marked Sex, shade the space marked M if you are male, or F if you are female.

3. If you have got a pre-printed answer sheet, check that the details are correctly printed, as described in 2 above. In the boxes marked *Identification Number*, Subject Code and Sex, reshade each of the shaded spaces.

An example is given below. This is for a male candidate, whose name is Kayode Olusola AKINDELE,

whose Identification number is 5251102068, and who is offering Geography 1.

THE WEST AFRICAN EXAMINATIONS COUNCIL

YODE OLUSOLA Examination: W.A.S.S.C.E. Year: 1999 NOV-KINDELE GR Paper: Subject: SEX SUBJECT CODE **IDENTIFICATION NUMBER** C02C12 ### C32C42C52C62C72C82C92 c03c13c23c33c43 - c63c73c83c93 Indicate your sex by ■ c13c23c33c43c53c63c73c83c93 c03c13 macc33c43c53c63c73c83c93 shading the space 4 000010020030 0005060070080090 marked M (for Male) c03c13c23c33c43e6c63c73c83c93 or F (for Female) in c0: to c2:c3:c4:c5:c6:c7:c8:c9: E03 mtm = 23 E33 E43 E53 E63 E73 E83 E93 this box: M c03 to c23c33c43c53c63c73c83c93 c0= c2=c3=c4=c5=c6=c7=c8=c9= 3 -03=13=23 -43=53=63=73=83=93 c03c13 macc33c43c53c63c73c83c93 INSTRUCTIONS TO CANDIDATES 1. Use grade HB pencil throughout. 2. Answer each question by choosing one letter and shading it c03c13c23c33c43c53mmc73c83c93 like this: [A] [B] [C] [C] 3. Erase completely any answers you wish to change. 8 -03-13-23-33-43-53-63-73-6-193 Leave extra spaces blank if the answer spaces provided are more than you need. For Supervisors only. 5. Do not make any markings across the heavy black marks at the right hand edge of If candidate is absent shade this space: your answer sheet.

Answer	all	the	questions	5.

Each question is followed by **four** options lettered A to D. Find out the correct option for each question and shade **in pencil** on your answer sheet, the answer space which bears the same letter as the option you have chosen.

Give only one answer to each question. An example is given below.

Which of the following is not an ocean current in the North Atlantic?

- A. Labrador
- B. Benguela
- C. Cayenne
- D. Irminger

The correct answer is Benguela, which is lettered B, and therefore, answer space B would be shaded.

[A]

D

[C]

[D]

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

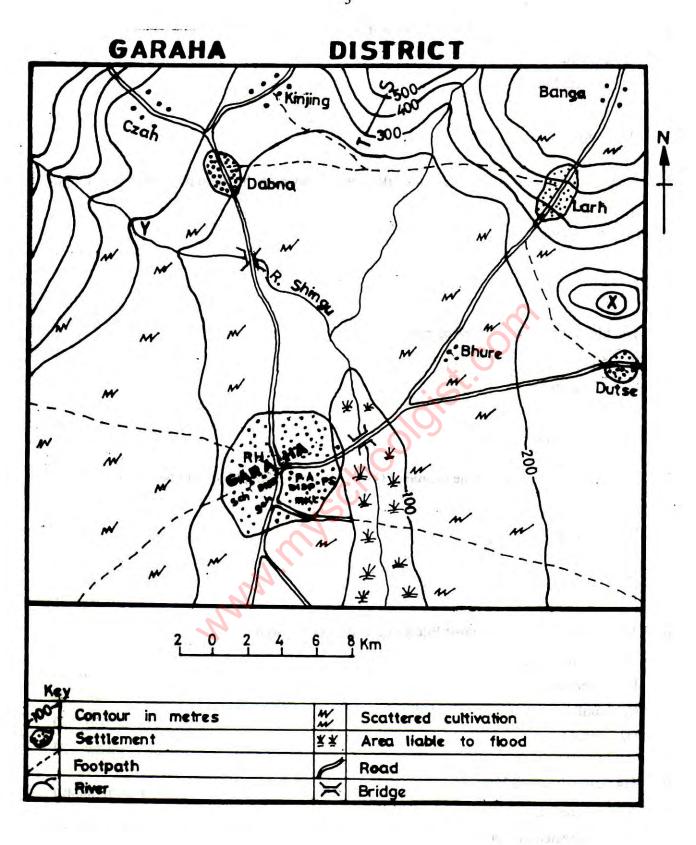
Do all rough work on this question paper.

Now answer the following questions:

Detach the map of GARAHA DISTRICT on page 3 and use it to answer Questions 1-11.

- 1. The scale of the map in representative fraction is
 - A. 1:1,000.
 - B. 1:20,000.
 - C. 1:200,000.
 - D. 1:1,000,000.
- 2. The distance between Larh and Dutse as the crow flies is approximately
 - A. 14 km.
 - B. 11 km.
 - C. 9 km.
 - D. 6 km.
- 3. If the map is enlarged to four times its present size, the scale of the new map will be
 - A. 1: 1,000,000.
 - B. 1: 250,000.
 - C. 1: 100,000.
 - D. 1: 50,000.

1001 (0 (1)) [



	The feature marked X on the map can best be described as A. plateau.	GARAHA	COUNTY OF
	B. conical hill.		CE PER PER
	C. ridge.		H425-M
Ā	D. scarpland.	30-2	- Salar
	Which of the following crops is most likely to be grown o	n the flood plain of River Shingu	?
	A. Cocoa	- TO THE STATE OF	1 4
	B. Groundnut	1-3-7-1	V
	C. Wheat	m (1)	
	D. Rice		1
			, 9
	The highest contour line on the map is about	WON M	N
	A. 500 metres.	* C	1
	B. 600 metres.	W. M	-
	C. 700 metres.	10 X (25)	1
	- 200	11	Vs.
	D. 800 metres.	most likely to be	
7.	D. 800 metres. The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering.	most likely to be	
7.	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering.	The same of the sa	
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function a	The same of the sa	
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function at A. satellite town.	The same of the sa	Ke
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function a A. satellite town. B. river port.	The same of the sa	and one
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function a A. satellite town. B. river port. C. confluence town.	s a s	an ve
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function a A. satellite town. B. river port.	Sa . 0 . Se	3X 200
8.	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function at A. satellite town. B. river port. C. confluence town. D. nodal town.	sa o service in metres	27 20
	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function at A. satellite town. B. river port. C. confluence town. D. nodal town. The feature marked Y is	sa o service in metres	N CO
8.	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function at A. satellite town. B. river port. C. confluence town. D. nodal town. The feature marked Y is A. a meander.	sa o service in metres	No.
8.	The major occupation of the people of Garaha District is A. fishing. B. farming. C. trading. D. lumbering. The growth of Garaha is most likely due to its function at A. satellite town. B. river port. C. confluence town. D. nodal town. The feature marked Y is	sa o service in metres	an and

19./11

10.	The area	marked	T_S	is heet	described as
	THE area	markeu	1-3	IS DESI	described as

- A. col.
- B. spur.
- C. valley.
- D. scarp.

11. The bearing of Dabna from Dutse is approximately

- A. 315°.
- B. 245°.
- C. 135°.
- D. 45°

12. Which of the following is not correct about the Great Circle?

- A. The Great Circle divides the earth into two equal spheres.
- B. The centre of the Great Circle is also the centre of the earth.
- C. The Equator is a Great Circle among the latitudes.
- D. The Greenwich Meridian and the International Date Line are the only lines of latitude forming a Great Circle.

13. Countries in the northern hemisphere experience shorter days and longer nights when the sun is overhead on the

m hadroash teed au am a r

- A. Tropic of Capricorn.
- B. Equator.
- C. Tropic of Cancer.
- D. Arctic Circle.

14. Crater lakes are usually associated with areas

- A. that have extinct volcanoes.
- B. that have heavy fault lines.
- C. that have active volcanoes.
- D. where subsidence has taken place.

15. Which of the following rocks is organically formed?

- A. Gypsum
- B. Coal
- C. Grit
- D. Shale

Les of the market 1-5 as but described and

When of the Mowing is a tree a shout the Great Conf.

33. Count of the northern here, where expanience shorter de-

and a mirror the Great

over a on the

B. E. Line

Teo')

A. Capricorn

Cancer

The ray by is a Great Care.

Lisually associated votts on

It wiere autorience has taken inte-

the most yllicological salson are notifically formed.

met volcanoes heavy fault lines.

C and active volcanoes

and the fire of the second of

River regime is best describe	d as	the	
---	------	-----	--

- A. rate at which a river flows.
- B. seasonal variation in the volume of water in a river.
- C. period a river overflows its banks.
- D. amount of load a river carries

17. One of the features of wind deposition is

- A. an inselberg.
- B. a barchan.
- C. a mesa.
- D. a ventifact.

18. Plateaux formed together with fold mountains are best described as

be confre ut a s

- A. piedmont.
- B. intermontane.
- C. tectonic.
- D. dissected.

19. Water vapour is turned into water droplets by the process of

- A. evaporation.
- B. liquefaction.
- C. convection.
- D. condensation.

20. Jos Plateau is an example of a

- A. volcanic plateau.
- B. plutonic plateau.
- C. tectonic plateau.
- D. basalt plateau.

21. A line joining all points of equal salinity is an

- A. isopach.
- B. isopleth.
- C. isohaline.
- D. isobar.

1001

22. An example of a coastline	of	emergence	is
-------------------------------	----	-----------	----

- A. a raised beach.
- B. an estuarian coast.
- C. a dalmatian coast.
- D. a ria coast.

23. Which of the following influences the ability of a river to carry heavy load of debris?

- A. Volume of the water
- B. Temperature of the water
- C. Freshness of the water
- D. Size of particles that make up the rocks

24. In which erosional plain is an inselberg commonly found?

- A. Peneplain
- B. Pediplain
- C. Flood plain
- D. Out-wash plain

25. Tropical savanna vegetation is characterized by

- A. drought-resistant trees.
- B. trees with broad leaves and fleshy bark.
- C. palm trees and thorny scrub.
- D. scattered evergreen trees.

26. Which of the following is not a typical Guinea savanna tree?

- A. Locust bean
- B. Shea butter
- C. Isoberlina
- D. Date palm

27. "An open forest with evergreen, thick leathery leaves and woody stems with deep roots" is known as

comment is best describe

are electrical to the decirale era-

- A. tropical rainforest.
- B. hot desert vegetation.
- C. Mediterranean vegetation.
- D. montane vegetation.

28. The broad-leafed evergreen and dense equatorial forest of the Amazon basin is called

B.	<u>-</u>	
	Campos.	8
C.	Pampas.	C 3 v = 11007
D.	Llanos.	D. 0 (10)
Wh	ich of the following is associated with savanna	vegetation ? ini ga
A.	Shallow-rooted trees	A valer
B.	Trees that grow throughout the year	Trine water
C.	Scrub	The Water
D.	Dense vegetation	Steem agostics that make
succ	ceeding years by ploughing, mulching or harrow	ed in a year so that crops can be grown in wing is known as
		a transmit
		The state of the s
		plain ver plain
υ.	extensive cultivation.	
Soil	erosion by action of rain can be caused by all the	total
		with broad leaves and the
В.		With bload leaves and themy semile
C.		seed evergreen trees
D.	tropical rainstorms.	coda tabalgiovo to
		the tollowing is not a type-
Jrba	an type of settlement is best described as	nagri acomo 6
A .	linear.	with the second
3.	nucleated.	15/10
C.	dispersed.	
).	isolated.	
Whi	ch of the following statements is not a second	77: 40 ope with evergreen, our
		TS24. [117]
		nonza
		vegelation
,	It links North America with Europe.	General Principles
	What A. B. C. D. The success A. B. C. D. Urba A. B. C. D. Which A. B. C. D. White A. B. C. D. D. White A. B. C. D. D. C. D. D. C. D.	Which of the following is associated with savanna A. Shallow-rooted trees B. Trees that grow throughout the year C. Scrub D. Dense vegetation The type of agriculture in which water is conserved succeeding years by ploughing, mulching or harrown and the savaning. B. intensive cultivation. C. arable farming. D. extensive cultivation. Soil erosion by action of rain can be caused by all the scanty vegetation. B. steep slopes. C. aridity. D. tropical rainstorms. Urban type of settlement is best described as A. linear: B. nucleated. C. dispersed. D. isolated. Which of the following statements is not true of the savaning with Europe. C. Goods carried on the route include grains.

34. The world's greatest gold pro-	ducer is bottom of the state of	ordina n
B. Canada. C. Ghana.	- Inhairg A Louis - Visit Live - Spanish and A propose or a spanish and the sp	٨
D. South Africa.	man tool for a familiar to make a companie.	
35. A settlement located where two		
A. nucleated settlement.	ch with a foliate in the me bit thest senting :	krov7
B. confluence town.	Foodin Nibor	
C. linear settlement.		
D. nodal town.	A celo straine it Se	
49, W.a.	Kent Set	
36. Exports from Mali are most like	ely to pass through the sea port at	
A. Lagos.	The sea of the sea port ato Man will and a sea of the s	gii bii
B. Dakar.		
C. Banjul.	(integral	
D. Conakry.	(malupág)	
50. A The -		
37. Which of the following produce	is mainly associated with the middle belt of Nigeria?	S.
A. Millet	with the middle ben of Nigeria?	
B. Groundnut	mode are	
C. Cotton	Some of the sound	
D. Yam	19	(4)
38. The highest concentration of ind	ustries in Nigeria is found in the	14 18
A. North-central Zone.	in the state of th	6
B. Western Zone.	100000	
C. Mid-western Zone.		
D. South-eastern Zone.	01.	
30V 711 . W. I I I	ne that will cause not heed in the 'in zire as the	AT 9
39. The coastal regions of Sierra Leor	ne record an annual rainfall of over	
A. 3,000 mm.	The state of the s	
B. 4,800 mm.	9971: 15 St	
C. 5,000 mm.	Linux tenet	Y.
D. 6,500 mm.		
c power in the world because	title in the largest pointing exerces of hydro-electro	A 31

A manual users the aloged the use of aydro electricity

is a spicate and the middle of the same state.

(it many of the near me on, as cessible

= are as as not yet be bruse re-

		10	,	
40.	W	hich of the following has adverse effects on the developme	ent of agriculture in Nige	eria '
	A.		,	1
	B.		Lake 1	, in
	C.			
	D.		vini.	
41.	W	hich of the following has the highest salinity?	dw (object) *	
	A.	South Atlantic Ocean	thement settlement.	
	B.	Dead Sea	INCHEE LOWIN.	
	C.	Mediterranean Sea	settlement,	
	D.	Red Sea	count town.	
42.	Nig	geria's major export commodity is a law of the	laom um (la)/ · -	ragil)
	A.	coal.	3.1	
	B.	cocoa.	Liker	
	C.	cotton.	·O.	
	D.	petroleum.	<i>y</i>	(1)
43.	Kos	ssou Dam is located on River	hor wolld a tri	
	A.	Volta.		
	B.	Bandama.	tallity	A
	C.	Cunene.	undaut	10
	D.	Nile.	TOTAL S	
4.4	TL-		mis	
14.	20	major crop grown in the El Juf Basin of Mali is	inghest concentration	
		cotton.	orth-central Zone.	
	B.	cotton. cocoa. cashew.		
	C.	대한 바람은 사람이	Western Zone.	
	D.	coffee.	Mid-western Zone	
15.	The	dam which is not used in the Gezira is the	South-eastern Zone.	n
			maid to service Letter	T
	A.			T
	B.	Sennar.	11(0) = 7(0)	
	C.	Roseires.	2000 1 1 7, 9,	
	D.	Jebel Aulia.	0.056	

46. Africa has the largest potential reserves of hydro-electric power in the world because

A. Africans have not developed the use of hydro-electricity.

B. many of the areas are not accessible.

C. it has copious rainfall and many waterfalls.

D. it is surrounded by large oceans.

- 47. The land-use activities which can be considered responsible for soil erosion in the tropics are
 - bush fallowing, over-grazing and monoculture.
 - industrialization, monoculture and lumbering.
 - mining, bush fallowing and market gardening.
 - irrigation, terrace farming and crop rotation. D.
- 48. Which of the following stations is situated in a region of tropical monsoon climate? or more than "it where this companies
 - Durban
 - Valencia B.
 - C. In Salah
 - D. Bombay (Mumbai)
- 49. Which of the following is not a problem militating against political and economic integration in West Africa?
 - A. Powerful colonial economic ties
 - B. Religion
 - Political instability C.
 - Currency D.
- 50. A major percentage of the world's exports of citrus fruits is from the
 - A. tropical region.
 - cool temperate region. B.
 - polar region. C.
 - mediterranean region. D.

DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

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

Section B

MAP READING AND INTERPRETATION

1 hour 50 minutes

office of the coming

represal region.

polar region.

cool temperate reg

[22 marks]

Answer Question 1 and any other three questions.

You are advised to spend not more than 30 minutes on this compulsory question.

- 1. Study the map extract on a scale of 1:50,000 and answer the following questions:
 - (a) In your answer book, draw an outline of the area labelled ABCD on a scale of 1:25,000.

economic ties

- (b) On your outline, insert and name
 - (i) the minor roads;
 - (ii) river Senche (use an arrow to show the direction of flow);
 - (iii) Bantai and Dasun settlements;
 - (iv) the 1,250 feet contour line.
- (c) Using the whole map extract,
 - (i) identify three land-use types;
 - (ii) describe any two cultural and two physical features which you would come across on a journey along the road from Marabu to Luga Chamba.

TH YOU ARE TOU

PENALIZED

VOU ARE TOED

- 2. (a) Write notes on each of the following:
 - (i) Great Circles;
 - (ii) Local Time.

- (b) A concert arranged to commence at 12 midnight on Sunday in Sydney (Australia) 150°E is to be televised. When will a family wishing to watch the programme in Accra (Ghana) tune in to the television for the programme?
- 3. (a) Name the three classes of sedimentary rocks.
 - (b) Explain with examples, the processes of formation of the three classes of sedimentary rocks.
 - (c) State four uses of rocks to man.
- 4. Month Feb Mar Aug Jan Apr May June July Sept Oct Nov Dec Temp in °C 23 24 29 32 37 27 26 27 27 27 31 26 Rainfall in mm 0 2 2 64 122 208 13 300 140 13 0 0

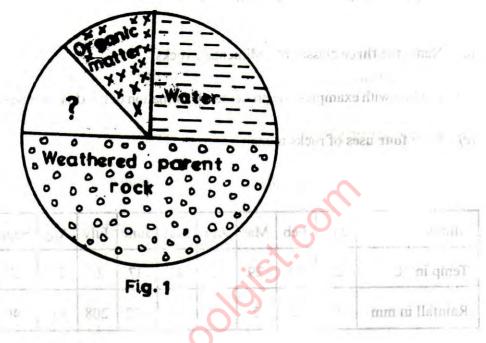
The Table above shows the climatic data of a station in the world. Use the data provided to answer the following questions:

it fruit compore

(n) Sun Tromesting Pressure hells

- (a) (i) Calculate the temperature range.
 - (ii) Find the annual rainfall for the station.
 - (iii) State the hemisphere in which the station can be found.
 - (iv) Suggest the climatic type.
 - (v) Give one reason for your suggestion.
- (b) (i) Indicate the type of vegetation associated with the climate suggested in a (iv) above.
 - (ii) Explain three characteristic features of the vegetation that have enabled it to adapt to the type of climate mentioned above.

5. Study the Pie-Chart (Figure 1) showing the components of a mature soil, and answer the following questions:



Calculate the ten per the

one reason for your sale

Synam three characteristic features

The type of climate mentioned above

- (i) the fourth component.
- (ii) two contributions of the fourth component to the soil formation.
- (b) Describe

(a) Identify

pt Lelis

- (i) how the organic material is derived.
- (ii) the difference between a peat-soil and a mature soil.
- (c) Explain three ways by which a soil that is eroded can be improved for farming.
- 6. (a) Draw a suitable diagram to show the various World Pressure belts and Planetary winds.
- (b) Account for the occurrence of
 - (i) Low Pressure belt along the equator.
 - (ii) Sub-Tropical High Pressure belts.

- 7. (a) Distinguish between an ecosystem and a food chain.
 - (b) Explain the various ways man has affected the ecosystem.
- 8. (a) Define the term soil erosion.

a en the left-hand st

Fred Sex, shade .

If you have go to be the space to the space to wriveMBER, the to box marked in

- (b) Explain the various physical factors which can encourage soil erosion.
- (c) Outline four ways of preventing coastal erosion.