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.
- 4. 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

	ODE OLUSOLA Examination: W.A.S. her Names OGRAPHY	S.C.E. Year: 1999 NOV. Paper: 1
IDENTIFICATION NUMBER	SUBJECT CODE	SEX
5 c03c13c23c33c43 c63c73c83c93 2 c03c13 c63c33c43c53c63c73c83c93 5 c03c13c23c33c43c53c63c73c83c93 1 c03cccc23c33c43c53c63c73c83c93 1 c03ccc23c33c43c53c63c73c83c93 0 c63cc13c23c33c43c53c63c73c83c93	2 c0:c1:e2:c3:c4:c5:c6:c7:c8:c9: 4 c0:c1:c2:c3:c4:c5:c6:c7:c8:c9: 1 c0:e4:c2:c3:c4:c5:c6:c7:c8:c9: 1 c0:e4:c2:c3:c4:c5:c6:c7:c8:c9: 3 c0:c1:c2:e3:c4:c5:c6:c7:c8:c9:	indicate your sex by shading the space marked M (for Male) or F (for Female) in this box: M F
2	INSTRUCTIONS TO CANDIDATES 1. Use grade HB pencil throughout. 2. Answer each question by choosing one letter and a like this: [A] [B] [C] 3. Erase completely any answers you wish to change. 4. Leave extra spaces blank if the answer spaces prof. 5. Do not make any markings across the heavy black your answer sheet.	vided are more than you need.

Answer all the questions.

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. Cavenne
- D. Irminger

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

[A]

[C]

below. Lastrong male candidate, shaka name

5251102068, and who is an erin

[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:

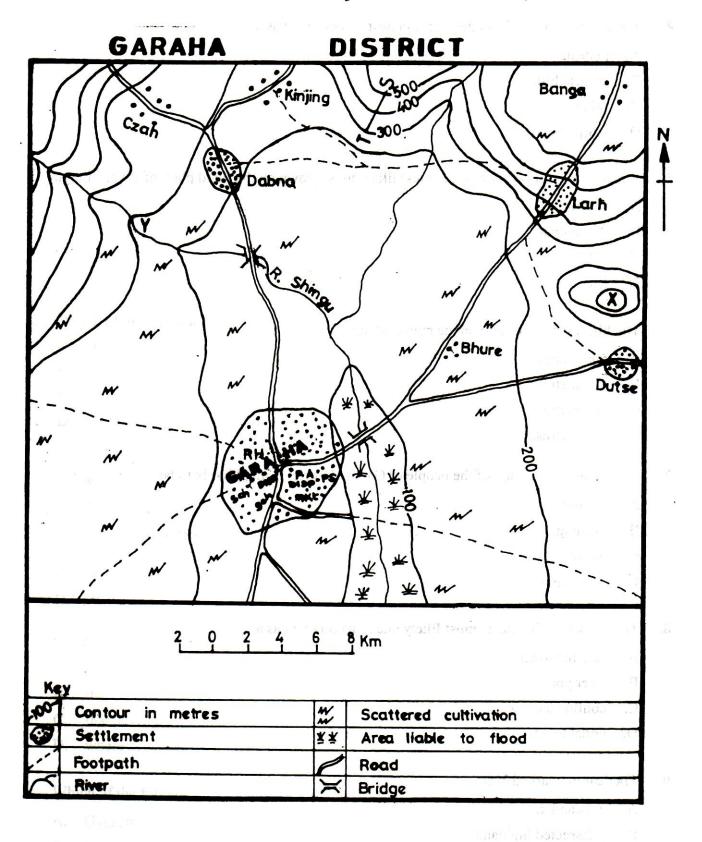
Detach the map of GARAHA DISTRICT on page 3 and use it to answer Questions 1-11.

- 1. The scale of the map in representative fraction is rigib dos
 - 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.

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	plateau.	Commence of the second	W. Rom of The	and the same of	and considering	MAS		AC.
В.	conical hill.	1 The	1 / /	/ power	1		1	
C.	ridge.	J. Comment			1	1	(Cans	
D.	scarpland.				1 10		/1	1
·	nich of the following	A	likely to	he grow	on the flo	od plain	of River	Shingu?
Wh	A. 14. 5	crops is most	likely to	oc grow.	K	/		7/1
A.	Cocoa					in !	V) I	
B.	Groundnut				· Je	7	The said	1
C.	Wheat			-	WAY.	1 4	1	1 1
D.	Rice	/ M		Carrie			111	1
		.		- Jan	1 .	1		V 1/2
	e highest contour lir	e on the map	is about	Ž	9 44		101	-
A.	500 metres.	mar .	``		1	\		
В.	600 metres.	1	1/2		NA.		M	
C.	700 metres.	Wh	7 7	11:00	The free	1		
D.	800 metres.			6		1		
Th	ne major occupation	of the people	of Garah	a District	is most li	kely to be	e,	
200	fishing. farming. trading.	**	of Garah	a District	is most li	kely to be	M ho	
Th A. B. C.	fishing. farming. trading. lumbering.		不 不	M Salar		kely to be		and the same
The A. B. C. D.	fishing. farming. trading. lumbering.		不 不	M Salar		kely to be		namen de come
The A. B. C. D. Til	fishing. farming. trading. lumbering. he growth of Garaha satellite town.		不 不	M Salar		kely to be	All Marie Ma	N. S.
The A. B. C. D. TI	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port.	is most likely	不 不	M Salar		2 0		700
The A. B. C. D. TI A. B. C.	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port. confluence town.	is most likely	不 不	M Salar		kely to be	W.	
The A. B. C. D. TI	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port. confluence town.	is most likely	不 不	M Salar		2 0	di 7200 thansi	Sett
The A. B. C. D. TI A B C D	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port. confluence town. nodal town.	is most likely	不 不	M Salar		2 0	di 7200 thansi	
The A. B. C. D. TI A B C D	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port. confluence town. nodal town.	is most likely	不 不	M Salar		2 0	di 7200 thansi	Sett
The A. B. C. D. TI A B C D	fishing. farming. trading. lumbering. he growth of Garaha satellite town. river port. confluence town. nodal town. he feature marked Y	is most likely	不 不	M Salar		2 0	di 7200 thansi	Sett

TOTAL OVER

Wive Actual in best described as the

10.	The area marked	T—S	is best described as a
-----	-----------------	-----	------------------------

- 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.

Phremix for med for all a way and more office are best described as the

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

- 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

16.	Riv	er regime is best descri	area marked T-S is best described as a set as bedi	ed I	12
	A.	rate at which a river f	lows.	.А	
	B.	seasonal variation in	the volume of water in a river.		
	C.	period a river overflo			
	D.	amount of load a rive			
	_				
17.	One	e of the features of wind	si noitisoque de Dabas f rom Dutse is app roxemately.	ALTT	.11
	A.	an inselberg.	315".		
	B.	a barchan.			
	C.	a mesa.	245°.		
	D.	a ventifact.	1951.		
18.	Plat	teaux formed together v	with fold mountains are best described as		
		piedmont.	on of the following is not correct about the Great Curle "	Whi	4
	B.	intermontane.	The Great Circle divides the entitle into two equal courses		
	C.	tectonic.			
	D.	dissected.	The centre of the Grent virile is at so the centre of the centre		
			the Equator is a Great Circle among the latitudes.		
19.	Wat	er vapour is turned into	water droplets by the process of		
	A.	evaporation.			
81 (1)	B.	liquefaction.	od of Garaha (). me ved of Garaha ().	Cou	.81
	C.	convection.	head on the	OVC	
	D.	condensation.	Tropic of Capricorn.	Α.	
20		DI.	Equator.	B.	
20.		Plateau is an example o	Tropic of Cancer.	, 7	
		volcanic plateau.	Arene Circle.	C	
	B.		st likely down		
	C.	tectonic plateau.	or lakes no asually associated with are is		1
	D.	basalt plateau.	the harm sunct volcanoes.	.7.	
21	Δ 1;	ne joining all points of	may have a beavy fault lines.	$-\frac{1}{2}$	
			that have active volcanoes.	C.	
	A.	isopach.	where sub-adence has taken place.	J.	
	B.	isopleth.			
	C. D.	isohaline. isobar:	th of the following rocks is organically formed a	u H	.81
		isoour.	Gyparian		
			Coal		

Grit

22.	An	example of a coastline of emergence is	otom (veu) illinasi java bu a Simmi		
	A.	a raised beach.			
	B.	an estuarian coast.	Cammos,		
	C.	a dalmatian coast.	Pearne		
	D.	a ria coast.	than .	Ü	
23.	Wł	nich of the following influences the ability	of a river to carry heavy load of debris 2	idV/	.01
	A.	Volume of the water	Sally was to suity nearly four of debits:		
	B.	Temperature of the water	Trees that grow throughout the year		
	C.	Freshness of the water	Service Control of the Control of th		
	D.	Size of particles that make up the rocks	nobse na sinan G		
	16.				
24.	In	vhich erosional plain is an inselberg comn			
	A.	Peneplain REALPHOOF REQUIREMENTS.	cology, as by ploughing, mulches or		
	B.	Pediplain	3a. alah		
	C.	Flood plain	antes suve ordinanam.		
	D.	Out-wash plain	องกันได้สารากที่หมู่.		
			esservise cultivations,		
25.	Tro	pical savanna vegetation is characterized b	•		
	A.	drought-resistant trees.	erasses by coion of rain cases of the Salt	Soil	13
	B.	trees with broad leaves and fleshy bark.	scartly eigetation.		
	C.	palm trees and thorny scrub.	steen glopes.		
	D.	scattered evergreen trees.	aridity		
			balgeria is found in demonstrate. Icologica		
26.		ch of the following is not a typical Guine	a savanna tree?		
	A.	Locust bean	an type of settlement is best described as		.57
	B.	Shea butter	Secretary .		
	C.	Isoberlina		11	
	D.	Date palm	$ct_{\omega}pc_{\omega}cd$.0	
		Pie cors	isolates	6.3	
27.	"An	open forest with evergreen, thick leather	ry leaves and woody stems with deep in the	roots'	' is
	Α.	tropical rainforest.	It is the busic: sea about		
	В.	hot desert vegetation.	Lisane onare. sea mic.		
	C.	Special Till II			
	D.	montane vegetation.	Good sarried on the route include grait		
		······································	e-part page of the real value of the control of the page of the control of the co		

48		ne broad-leafed evergreen and dense equa	itorial forest of the Amazon basin is called	
	A	Selvas.		Α,
	B.	Campos.	ar estys an coast.	B.
	C.	Pampas.	a ตับการตัวการจาก	C.
	D.	Llanos.	Taril const	D.
29.	W	hich of the following is associated with s	avanna vegetation?tai gai alta Ledi la doi:	Wla
	A.	Shallow-rooted trees	single as of "to water"	ıΑ
3.53	B.	Trees that grow throughout the year	Tengana to of the water	B.
	C.	Scrub	Freshness of the water	0
	D.	Dense vegetation	Size of namicles that make upon in its	A.J
20	TL	C		
30.	SHO	e type of agriculture in which water is occeeding years by ploughing, mulching of	conserved in a year so that crops can be g	
			The street	
	A. B.	dry farming. intensive cultivation.	Point in	
	C.		mial, and	
	D.	arable farming. extensive cultivation.	Or e-vash plain	
	D.		(A) 英祖(A)	
31.	Soi	l erosion by action of rain can be caused	by all the following except tales the property of the second sections of the second se	1.1
	A.	scanty vegetation.		
	B.	steep slopes.	the with broad leaves and fleshy book	
	C.	aridity.	palm trees and thorny scrub.	
	D.	tropical rainstorms.	senttered evergreen trees.	-(:)
	D .		A second	
32.	Urt	oan type of settlement is best described as	nich of the following is not a typical former	
		linear.	Allers of Allers	
	В.	nucleated.	Strep butter	. 1
	C.	dispersed.		
	D.	isolated.		-
20			n open for st with evergreen, thick tambe	
33.	Wh	ich of the following statements is not tru	e of the North Atlantic sea route?	
	Α.	It is the busiest sea route.	ropicel roinforest.	
	B.	It links Nigeria with Europe.	not seem respetation.	
	C.	Goods carried on the route include grain		
	D.	It links North America with Europe.		
	10	Transfiller with Europe.	monument of the second	

in

34.	The world's greatest gold r	Producer is best no stoothe recessor cast on, walfut affice. I		
A.	A. Nigeria.	Toursell 15- And the organization of the state of the sta	OILLY	,()
В	B. Canada.	Perablishment in agent admission of the second formers.		
	C. Ghana.	Faither limit of Universities of Agriculture		8
1	D. South Africa.	Lincourage mean as greaten research into food storage.		
2671	. L Color	liffing or the namon the important of food items		
35.	A settlement located where	two rivers meet is called a		
A. 1	A. nucleated settlement.	sh of the following has the highest sammay :	nio 7	
(2) E	3. confluence town.	South Athenae Oussia		
D (linear settlement.	14. A. L. S. 38	.d	
I		Mediter andra Sea		
49. Wh	en a la sample en de	Red Sea	7	
36. E	xports from Mali are most	likely to pass through the sea port at mag we refer a con-		
A.A	. Lagos.	received by the pass unrough the sea port ato made a figure a con-	gr.	1.
В	Dakar			
C	- September	THOUSE THE THE THE THE THE THE THE THE THE TH		
D		cotton.		
50. A		petroleum.	O.	
A.	men of the following produ	ce is mainly associated with the middle belt of Nigeria?	Kos.	
Λ.	Millet	VC its	1	
B.	The state of the s	Bandara		
C.	Cotton	Chasac		
D.	Yam	.one	. ()	
20 77		al Held to all all the form		
38. In	e highest concentration of i	ndustries in Nigeria is found in the	Sr. i	. # #
A.	North-central Zone.	violes.	А	
В.	Western Zone.	cocou.		
C.	Mid-western Zone.			
D.	South-eastern Zone.	90 f 1.0		
NEW ARRANGE	PRODUCT STATE OF STAT	all a series of the series of		
39. The	coastal regions of Sierra L	e dans which is not fised in the Gozira is the lact and a sweat and a sweat a sweat and a sweat a swea	vi 1	. 2 %
A.	3,000 mm.	111111111111111111111111111111111111111		
B.		Tangeres Company		
C.	5,000 mm.	Reseites		
D.	6,500 mm.	Jehei Aulia	E.	
and the second		a aistrala ashud ta name		
		rica lies the largest potential reserves of hydro-electric p	1A .	0
		A focus have not developed the use of hydro-electrical	À.	
		many of the areas are not at cessible.		
		ins copious rai. Lit and many waterfails.		
		his surrounded by large oceans.		

40.	W	hich of the following has adverse effects on the development	t of agriculture in Nig	eria ?	
	A.		Vire-cia.		
	B.		Lbnic)		
	C.		Shana		
	D.		South Africa	.0	
41.	W	hich of the following has the highest salinity?	flearest located when	to A	21.
	A.	South Atlantic Ocean	erlessed settlement.	\mathcal{F}_{i}	
	B.	Dead Sea	or thence town.		
	C.	Mediterranean Sea	seem settlement.		
	D.	Red Sea	odal town.		
42.	Nig	geria's major export commodity is adjaced exact which is	Ver Mali are mos	ехр	26.
	A.		car » .coust		
	B.	cocoa.			
	C.	cotton.	Jun-1		
	D.	petroleum.	Corray	.0	
43.	Kos	ssou Dam is located on River betaioses viniam si ecubo	The following	+11.3	
	A.	Volta.			
	B.	Bandama.	Millet		
	C.	Cunene.	oundnut		
	D.	Nile.	Cotton Yam		
0.0			ms	P.	
14.	The	major crop grown in the El Juf Basin of Mali is	un ireintenament des de la		60
	A.	cotton. et industries un Nigeria is round in the	A MARKET I		.06
	В.	cocoa.	North-central Zone.		
	C.	cashew.	Western Zone.	В.	
	D.	coffee.	Mid-western Zone.		
-	TCI I	1 1947	South-eastern Zone.	D.	
		dam which is not used in the Gezira is the			
	Α.	ra Leone record an annual rainfall of over	coastal regions of Sie	3.11	.01
	B.	Sennar.	1,000 mm.		
	C.	Roseires.	4,850 mm		
	D.	Jebel Aulia.	5,660 mm.		
~	A CL	- I - d - I	mir Mill	Ω,	
		ca has the largest potential reserves of hydro-electric power	in the world because		
	A	Africans have not developed the use of hydro-electricity.			
		many of the areas are not accessible.			
	C.	it has copious rainfall and many waterfalls.			
	Э.	it is surrounded by large oceans.			

INTER BYCHOI

- 47. The land-use activities which can be considered responsible for soil erosion in the tropics are
 - bush fallowing, over-grazing and monoculture.
- B. industrialization, monoculture and lumbering.
 - mining, bush fallowing and market gardening.
 - irrigation, terrace farming and crop rotation. D.
- and was Queried I and any other three 48. Which of the following stations is situated in a region of tropical monsoon climate? los are arternos a specel not more than 30 minutes on this compulso:
 - Durban
 - Valencia B.

 - D. Bombay (Mumbai)
- 49. Which of the following is not a problem militating against political and economic integration in West Africa?

. (a) Try Senche fuse an error to show it freehon of flow).

the Onlye is sented, assert and name

(14) the LOSO feet contour line.

in identify three land-use types,

(c) Using the whole man extract,

- A. Powerful colonial economic ties
- B. Religion
- C. Political instability
- 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 the type YOU ARE TOLD TO DO SO.

are spigort out all nursons must for stressings Section B ... I are distributed the land off. "I

MAP READING AND INTERPRETATION

1 hour 50 minutes

irrigation, terrale dirmine an

[22 marks] store has your ollest read agriculture.

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.

 (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:

 - polar region.
 mediterranean res
 - (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.

PENALIZED

UNTIL YOU ARE TOLD

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

- (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.

Weathered Appent o a

(c) State four uses of rocks to man.

4.	Month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
	Temp in °C	23	24	29	32	31	37	27	26	27	27	26	27
	Rainfall in mm	0	2	2	13	64	122	208	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:

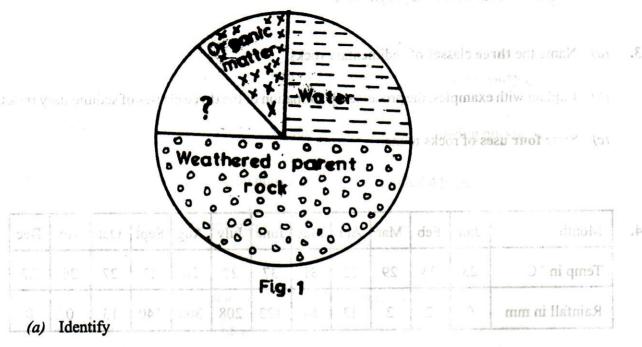
- (a) (i) Calculate the temperature range.
 - (ii) Find the annual rainfall for the station. And a little annual rainfall for the station.
 - (iii) State the hemisphere in which the station can be found.
 - (iv) Suggest the climatic type.

 (c) Explain three a dvs by which a soil that is eroded can be marked on for farming.
 - (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.

(ii) Sub-Tropical High Pressure belts.

Ele fourth component.

5. Study the Pie-Chart (Figure 1) showing the components of a mature soil, and answer the following gran questions; 12 1/2 all sammargons falls design at ghalistic official



- (i) the fourth component.
- provided to (ii) two contributions of the fourth component to the soil formation.
 - (b) Describe
 - (i) Find the annual rand through the second bearing is derived.
 - (ii) the difference between a peat-soil and a mature soil. Modern and state (iii)

The Table above shows the climatic data of a stayon in the world

i) Calculate the temperature muster

IVE CHAIN ONE reason for your stangardon

the type of climate mentioned above

- (11) Suggest the climatic type Explain three ways by which a soil that is eroded can be improved for farming.
- (a) Draw a suitable diagram to show the various World Pressure belts and Planetary winds.
- (ii) Explain three characteristic features of any vegetation that have gnabled it to adapt to (b) Account for the occurrence of
 - (i) Low Pressure belt along the equator.
 - (ii) Sub-Tropical High Pressure belts.

The second of the second

- 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.

If you have go

In the spaces in

NOVEMBER, 101

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

narked Sex, shade ...