P2041 Nov. WASSCE 2011 GEOGRAPHY 1 Objective & Essay 2 hours 40 minutes

Name:	
Index Number	:

THE WEST AFRICAN EXAMINATIONS COUNCIL

West African Senior School Certificate Examination

November 2011

GEOGRAPHY 1

2 hours 40 minutes

Do not open this booklet until you are told to do so. While you are waiting, write your name and index number in the spaces provided at the top right-hand corner of this booklet and thereafter, read the following instructions carefully. This paper consists of two sections; answer Section A on your Objective Test answer sheet and Section B in your answer booklet. 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

Use HB pencil throughout. 1.

If you have got a blank answer sheet, complete its top section as follows. 2.

(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 'WASSCE', '2011 NOV.',

'GEOGRAPHY' and '1' respectively.

(c) In the box marked Index Number, write your index 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

(d) In the box marked Paper Code, write the digits 204113 in the spaces on the left-hand side. Shade the

corresponding numbered spaces in the same way as for your index number.

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

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 Index Number, Paper Code and Sex, reshade each of the shaded spaces. 3.

An example is given below, this is for a male candidate, whose name is Chukwuma Adekunle CIROMA, whose index number is 5251102068 and who is offering Geography 1.

WEST AFRICAN EXAMINATIONS COUNCIL

PRINT IN BLOCK LETTERS WASSCE Year: 2011 NOV. CHUKWUMA ADEKUNLE Examination: Name: CIROMA Paper: Subject: SEX PAPER CODE INDEX NUMBER c0>c1>====c3>c4>c5>c6>c7>c8>c9> Indicate your sex by 5 -03-13-23-33-43-63-63-73-83-93 **■●** □1 □ □2 □□3 □□4 □□5 □□6 □□7 □□8 □□9 □ shading the space c0>c1>=@=c3>c4>c5>c6>c7>c8>c9> marked M (for Male) c0>c1>c2>c3>c4>===c6>c7>c8>c9> or F (for Female) in c0>**=**≠ c2>c3>c4>c5>c6>c7>c8>c9> F c03 === c23 c3 c4 c5 c6 c6 c7 c8 c9 c this box: M c0: === c2:c3:c4:c5:c6:c7:c8:c9: c03c13c23 -- c43c53c63c73c83c93 **→**c1>c2>c3>c4>c5>c6>c7>c8>c9> c0:c1:===c3:c4:c5:c6:c7:c8:c9: INSTRUCTIONS TO CANDIDATES Use grade HB pencil throughout. **→**c1>c2>c3>c4>c5>c6>c7>c8>c9> 2. Answer each question by choosing one letter and shading it c0>c1>c2>c3>c4>c5>**=€=**c7>c8>c9> [B] [C] [A] like this: Erase completely any answers you wish to change. c0=c1=c2=c3=c4=c5=c6=c7====c9= Leave extra spaces blank if the answer spaces provided are more than you need. Do not make any markings across the heavy black marks at the right-hand edge of For Supervisors only. your answer sheet. If candidate is absent shade this space: [

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?

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

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

[A]



[C]

[D]

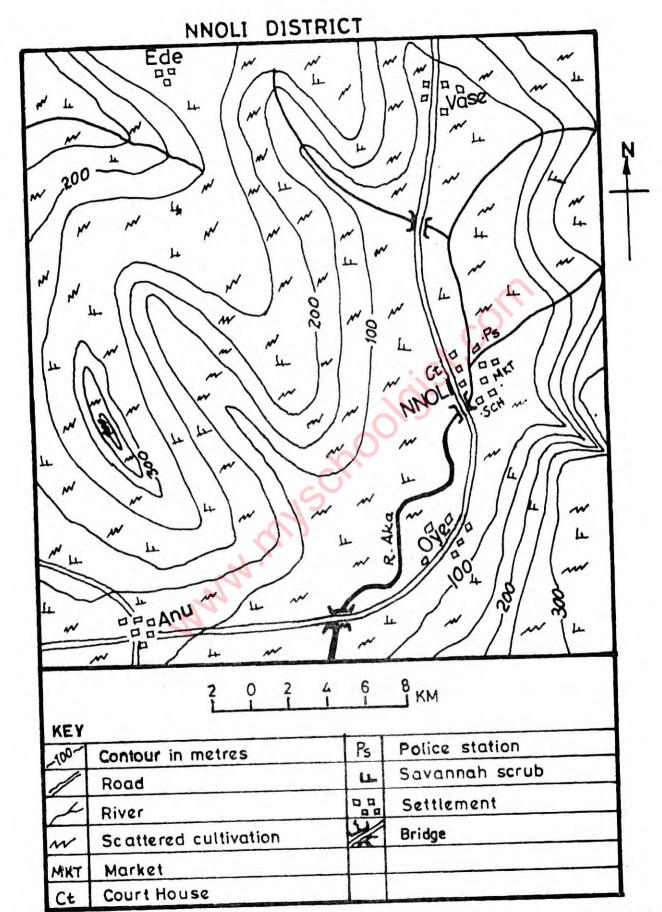
Think carefully before you shade the answer spaces; erase completely any answer(s) you wish to change.

Do all rough work on this question paper.

Now answer the following questions.

Study the map of NNOLI DISTRICT on page 3 and use it to answer Questions 1 - 10.

- 1. The scale of the map in Representative Fraction (RF) is
 - 1:800,000. A.
 - 1:600,000. B.
 - 1:400,000. C.
 - 1:200,000. D.
- The distance "as the crow flies" from Ede to Oye is
 - A. 30 km.
 - B. 35 km.
 - 40 km. C.
 - D. 45 km.
- 3. What type of settlement is Anu?
 - Linear A.
 - Dispersed B.
 - C. Nodal
 - D. Port town



The highest contour line or	the	map	IS
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- A. 400 m.
- B. 350 m.
- C. 250 m.
- D. 200 m.

5. If the map is enlarged to twice its size, the new scale will be

- A. 1:100,000.
- B. 1:200,000.
- C. 1:300,000.
- D. 1:600,000.

6. The distance by road in kilometres from Vase to Anu is approximately

- A. 12.
- B. 44.
- C. 66.
- D. 88.

7. NNOLI is likely to be the most important settlement in the area because it is

- A. both an administrative and a commercial centre.
- B. a nucleated settlement.
- C. on a road and river junction.
- D. at the centre of the map.

8. The bearing of NNOLI from Anu is

- A. N 55° E.
- B. S 55° E.
- C. S 50° E.
- D. S 50° W.

9. The crop that is most likely to do well in NNOLI settlement is

- A. millet.
- B. rice.
- C. guinea corn.
- D. yam.

10.	Which of the following is a likely economic activity in NNOLI DISTRICT?
	and the state of t

- Lumbering A.
- B. Animal rearing
- C. Crop cultivation
- D. Mining

The solar system comprises the

- sun, the earth and pluto.
- B. sun and the earth.
- C. sun and its nine planets.
- D. sun, the earth and the moon.

The smallest and hottest planet is

- mercury.
- B. venus.
- C. earth.
- D. mars.

The earth completes its rotation on its own axis from west to east once in every

- A. 24 hours.
- B. 48 hours.
- C. 24 days.
- D. 365 days.

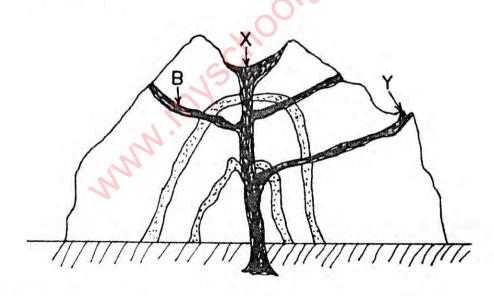
14. The Great Circle includes two

- A. latitudes.
- B. longitudes.
- latitudes and longitudes.
- opposite longitudes and the Equator. D.

15. In which of the following regions are the four seasons-spring, summer, autumn and winter better developed?

- A. Tropical
- B. Temperate
- C. Frigid
- D. Equatorial

- **16.** What will be the local time in country \mathbf{X} , $15^{\circ}E$ when it is 5.00 p.m. in country \mathbf{Y} , $45^{\circ}E$?
 - 1 p.m.
 - B. 2 p.m.
 - C. 3 p.m.
 - D. 4 p.m.
- Regions lie in high latitudes when they are between 17.
 - latitude 0° and 60° south.
 - B.
 - latitude 60° and the Poles. latitude 60° and the North Pole only. C.
 - latitude 0° and the South Pole. D.
- 18. Igneous rocks are formed when
 - glacier transports and deposits materials in layers.
 - rivers transport and deposit materials along their banks.
 - C. materials from the earth's interior are poured into the earth or unto the surface.
 - D. materials are transported and deposited by the wind.
- 19. Another name for residual mountain is
 - volcanic mountain. A.
 - B. mountain of denudation.
 - C. mountain of elevation.
 - mountain of intrusion. D.



Use the diagram above to answer questions 20 and 21.

20. The feature marked X is a

- A. pipe.
- B. crater.
- C. sill.
- D. cone.

21.	The	feature	marked	B	is	a

- A. subsidiary dyke.
- B. batholith.
- C. sill.
- D. lopolith.

22. A major characteristic of limestone landscape is

- A. absence of surface drainage.
- B. absence of depression.
- C. presence of surface drainage.
- D. presence of luxuriant vegetation.

23. Permafrost is

- A. gentle breeze all year round.
- B. permanently frozen subsoil.
- C. very heavy frost.
- D. corrugation on the surface due to freezing.

24. Soils which have developed under similar climatic conditions are classified as

- A. intra zonal soils.
- B. azonal soils.
- C. zonal soils.
- D. horizontal soils.

25. "The soil is coarse, gritty, loose with large pore spaces, well aerated and has high capillarity". Which type of soil does this describe?

- A. Clay
- B. Loamy
- C. Sandy
- D. Clay-loam

26. Which of the following is not an economic benefit of soil to mankind?

- A. Provision of minerals
- B. Base for vegetation
- C. Base for agriculture
- D. Soil erosion

A kind of wind-deposited s	SOII	15
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- A. scree.
- B. talus.
- C. loess.
- D. laterite.

28. "The trees are evergreen, with broad leaves, having three tiers of canopy of heterogenous character, with abundant hardwood". Which vegetation type does this describe?

- A. Cool temperate forest
- B. Tropical rain forest
- C. Tropical grassland
- D. Mediterranean woodland

29. Mediterranean vegetation is described as xerophytic. This means the vegetation is

- cold resistant.
- B. drought resistant.
- C. heat resistant.
- D. fire resistant.

30. All the following explain the causes of desert encroachment except

- . A. deforestation.
 - B. bush burning.
 - C. controlled grazing.
 - D. prolonged drought.

31. Which of the following pairs of environmental hazards are rare to find in the same place?

- A. Drought and desertification
- B. Flood and thunderstorms
- C. Hurricane and typhoon
- D. Drought and flood

32. What type of forest is found where both temperature and rainfall are high throughout the year?

- A. Temperate forest
- B. Coniferous forest
- C. Tropical monsoon forest
- D. Tropical rainforest

33.	The high	diurnal	temperature	e range in	tropical	deserts is	best ex	plained 1	hv
					op.eur	CAPATAD ID	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	promise .	- 1

- A. absence of cloud cover.
- B. absence of onshore winds.
- C. very low rainfall.
- D. very low humidity.

34. A plunge pool can be found at the

- A. lower course of a river.
- B. confluence of two rivers.
- C. foot of a waterfall.
- D. centre of a crater lake.

35. River Niger has its source in the

- A. Tibesti plateau.
- B. Eastern highlands.
- C. Guinea highlands.
- D. Deccan plateau.

36. A change in the function of a settlement from a rural character to an urban character is called

- A. conurbation.
- B. urbanization.
- C. indigenization.
- D. industrialization.

37. The high population concentration of people along the Nile valley in Egypt is best explained by

- A. favourable climate.
- B. unfavourable relief.
- C. availability of water for irrigation.
- D. presence of minerals.

38. Which of the following best explains the high population density along the valleys of the big rivers of South East Asia?

- A. Abundance of water supply
- B. Abundant supply of Hydro Electric Power (HEP)
- C. The rivers provide good waterway for movement of people
- D. The valleys have fertile alluvial soils for productive agriculture

		ntries embark on industrialization for the following reasons except
39.		
	Α.	conservation of foreign exchange. improvement in the standard of living of the people.
	В.	
	C.	creation of unemployment. diversification of the economy.
	D.	diversification of the economy.
40.	The	world's busiest shipping route is
	A.	Japan to South America.
	B.	West Africa to Japan.
	C.	North America to Europe.
	D.	South East Asia to West Africa.
41.	The	e method of mining petroleum is by
	A.	open cast.
	В.	drilling.
	C.	panning.
	D.	adit.
42	. Th	ne volume of trade between West African countries and developed countries is high because of
	A.	similarity of products.
	В.	similarity in climate.
	C.	differences in level of technology.
	D	. poor transport links.
43	3. W	Which of the following is not a tree of the tropical rain forest?
	A	
	р	. Oak

Iroko

Obeche

C.

D.

44.	Th	e natural vegetation of a cool temperate maritime type of climate is
	A.	Deciduous forest.
	B.	Savanna.
	C.	Taiga.
	D.	Thorn woodland.
45.	The	e climatic conditions for fruit farming in the Mediterranean region include all except
	A.	high relative humidity of up to 90%.
	B.	bright sunny weather for ripening and harvesting.
	C.	long dry summer.
	D.	rainfall of up to 75 cm per annum.
46.	Wh	ich of the following is a Francophone country?
	A.	Ghana
	B.	Liberia
	C.	The Gambia
	D.	Togo
47.	The	Kariba Dam Hydro-Electric scheme is in
	Α.	Nigeria.
	B.	Zambia.
	C.	Sierra Leone.
	D.	Ethiopia.
18.	Pape	er is mostly manufactured from
	A.	jute.
	B.	chemical.
	C.	synthetic fibre.

D.

wood pulp.

- 49. Which of the following is grown in West Africa?
 - A. Oat
 - B. Apricot
 - C. Millet
 - D. Barley
- 50. Which of the following countries in Africa is the most densely populated?
 - A. Ghana
 - B. Sudan
 - C. Algeria
 - D. Nigeria

2018

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SECTION B

1 hour 50 minutes

ESSAY

[70 marks]

ELEMENTS OF PRACTICAL AND PHYSICAL GEOGRAPHY

Answer Question 1 and any three others.

Question 1 carries 22 marks while others carry 16 marks each.

You are advised to spend not more than 30 minutes on Question 1.

- 1. Study the map extract on a scale of 1:50,000 and answer the following questions:
 - (a) On the map provided, print the letters shown in bracket on **one** example of each of the following features:

(i) spur (SP); [2 marks] (ii) pass (PA); [2 marks] (iii) knoll (KN); [2 marks]

(iv) ridge (RG); [2 marks]

(b) Calculate the distance from the school at Ogga to the school at Okere along the minor road.

[6 marks]

- (c) Using evidence from the map, state three land use types that are visible as one travels along the road from Ogbe to Koro. [6 marks]
- (d) Name two human features that are present in the north-western part of the map. [2 marks]

2. Study the table below and answer the questions that follow.

Month	J	F	М	Α	M	J	J	A	S	0	N	D
Temperature (°C)	26	26	27	29	31	33	35	34	33	32	30	27
Precipitation (mm)	38	15	15	20	0	0	0	0	0	8	18	36

(a) (i) Calculate the mean annual temperature. [2 marks]

(ii) Calculate the annual temperature range. [2 marks]

(iii) In what climatic region can this station be found? [2 marks]

(b) Draw a combined temperature and precipitation graph for the station. [10 marks]

3.	(a)	Distinguish between rotation and revolution of the earth.	[4 marks]
	(b)	Describe three effects each of the earth's rotation and revolution.	[12 marks]
4.	(a)	Draw a labelled diagram of the relief of the ocean floor.	[6 marks]
	<i>(b)</i>	Explain with examples, reasons for which the continental shelves provide the world's major fishing grounds.	[10 marks]
5.	(a)	Define mass wasting.	[2 marks]
	<i>(b)</i>	List two factors affecting mass wasting.	[2 marks]
	(c)	Describe any two types of mass wasting.	[12 marks]
6.	Wri	te explanatory notes on any two of the following:	
	(a)	convectional rainfall;	[8 marks]
	(b)	land and sea breezes;	[8 marks]
	(c)	Inter-Tropical Convergence Zone (ITCZ).	[8 marks]
7.	(a)	Explain four conditions that favour the formation of delta.	[8 marks]
	<i>(b)</i>	Describe any two types of delta.	[8 marks]
8.	(a)	Define environmental balance.	[2 marks]
	(b)	With the aid of a diagram, explain the water cycle.	[8 marks]
	(c)	In what three ways is water cycle important to man?	[6 marks]