

Rwanda National Geography Exam S3 Collection (2010-2023)

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**Geography and
Enveronment I**

005

31/07/2023 8:30 AM – 11:30 PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2022-2023

SUBJECT: GEOGRAPHY AND ENVIRONMENT I

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

- 1) Do not open this question paper until you are told to do so.
- 2) Write your names and index number as they appear on your registration form and **DO NOT** write your names and index number on additional answer sheets if provided.
- 3) This paper consists of **THREE** sections: **A**, **B** and **C**.

SECTION A: This section is compulsory. **(60 marks)**

SECTION B: Attempt any **TWO** questions. **(30 marks)**

SECTION C: This section is compulsory. **(10 marks)**

- 4) Use a **blue** or **black** pen.

SECTION A: Attempt all questions. (60 marks)

- 1) List any four effects of the earth's rotation. **(4 marks)**
- 2) a) Name two discontinuities available in the internal structure of the earth. **(2 marks)**
- b) Name any three main parts of the external structure of the earth. **(3 marks)**
- 3) a) Give any two characteristics of igneous rocks. **(2 marks)**
- b) Explain how sedimentary rocks are formed. **(2 marks)**
- 4) a) What is weather forecasting? **(2 marks)**
- b) Give any four elements of weather. **(4 marks)**
- 5) Give any three characteristics of mangrove vegetation. **(3 marks)**
- 6) Name any four outlet rivers in Africa. **(4 marks)**

7) Explain how the following agents cause soil erosion.

a) Heavy rainfall **(2 marks)**

b) Steep slopes **(2 marks)**

c) Winds **(2 marks)**

8) Explain any three factors that affect soil formation. **(6 marks)**

9) Identify any four characteristics of birunga forests. **(4 marks)**

10) a) What is a Stevenson screen? **(2 marks)**

b) State any three qualities of a Stevenson screen. **(3 marks)**

11) Differentiate between active and dormant volcanoes and

give an example of each. **(4 marks)**

12) Mention any five characteristics of equatorial climate. **(5 marks)**

13) Briefly evaluate the impact of pollution to human beings

and their surroundings. **(4 marks)**

SECTION B: Attempt any two questions. (30 marks)

14) Discuss the measures that are put in place to conserve
the environment. **(15 marks)**

15) Propose the measures that should be taken to minimize
the spread of aridity and desertification. **(15 marks)**

16) a) i) What is meant by lava damming? **(2 marks)**

ii) Name two lava dammed lakes in Rwanda. **(2 marks)**

b) Why do most rivers of Rwanda flow Eastwards? **(3 marks)**

c) Explain the effects of the river reversal in Rwanda. **(4 marks)**

d) List any four African rift valley lakes. **(4 marks)**

SECTION C: This question on map work is compulsory (10 marks)

- 17) Study the map of Rwankuba 1:25000 provided and answer the questions that follow.





Main tarmac road Route national asphaltée		Dense/nucleated settlement Habitat concentré		Natural forest, plantation Forêt naturelle, boisement	
Main murram road Route national non asphaltée		Sparse, scattered Dispence, remarquable		Savannah or pasture Savane ou pâturage	
Feeder road Route communale		Hospital, health centre, dispensary Hôpital, centre de santé, dispensaire		Upland crops, valley crops Cultures des collines	
Track Piste carrossable		Sectorial bureau, school, dipping tank Bureau de secteur, école, dipping tank		Rangeland, cash crop Prairie, cultures industrielles	
Path Sentier		Religious edifices: church, temple, mosque Edifices religieux: église, temple, mosquée		Papyrus Papyrus	
Boulevard/road lined with trees Route bordée d'arbres		Border post, market Post de douane, marché		Bananas, sugar cane, coffee Bananier, canne à sucre, café	
Road under construction Route en construction		International airport, aerodrome/air strip Aéroport international, aérodrome		Rice, tea, cotton Riz, thé, coton	
Power/electric line Ligne de transport d'énergie électrique		River Rivière		Quinine, pyrethrum, bamboo Quinquina, pyréthre, bambou	
Bridge, footbridge Pont en dur, pont en bois		Pond, marsh, a well Etang, marc, puits		Terraces Terrasses	
Contours Courbe de niveau		Lake, swamp Lac, marais		Talus Talus	
Contours, contour intervals, depression Courbe de niveau, intercalaires, cuvette		Falls, dam Chutes, barrage		Rock, Cliff Rocher, abrupt	
Quarry, factory and/or industrial complex Carrière, usine et/ou complexe industriel		Border pillar, radio booster station Borne frontière, antenne relais de radio		Trigonometrical pillar Détail particulier	
		Mine 1 operational 2 Mine 1 activité 2 arrêtée		Mine 1 operational 2 Mine 1 activité 2 arrêtée	

- a) Identify the drainage patterns shown in the map. **(2 marks)**
- b) Show the highest and the lowest altitude of the area covered by the map. **(2 marks)**
- c) Show three main activities that are shown in the map and justify each activity. **(6 marks)**

END

Geography and Environment II

006

31/07/2023

2:00 PM – 5:00 PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2022-2023

SUBJECT: GEOGRAPHY AND ENVIRONMENT II

PAPER II: HUMAN AND ECONOMIC GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

- 1) Do not open this question paper until you are told to do so.
- 2) Write your names and index number as they appear on your registration form and **DO NOT** write your names and index number on additional answer sheets if provided.
- 3) This paper consists of **TWO** sections: **A** and **B**.

SECTION A: Attempt **ALL** questions. **(60 marks)**

SECTION B: Attempt only **TWO** questions. **(40 marks)**

- 4) Use a **blue** or **black** pen.

SECTION A: Attempt all questions. (60 marks)

- 1) Mention any five factors that influence population distribution in Rwanda. **(5 marks)**
- 2) Name any three types of Rural settlement. **(3 marks)**
- 3) Enumerate any five problems that ranching is facing in Africa. **(5 marks)**
- 4) Differentiate open-cast mining from shaft mining. **(4 marks)**
- 5) Mention any five factors that influence industrial development in Rwanda. **(5 marks)**
- 6) What is Plantation farming? **(2 marks)**
- 7) Explain any three causes of population migration. **(6 marks)**
- 8) (a) In 2012, the birth rate of a country Z was 33‰, death rate was 12‰. Calculate the growth rate of country Z. **(2 marks)**
(b) In 2020, the population of Rwanda was estimated at 13,800,000 people. Find out the estimated population density. **(2 marks)**
- 9) Outline any five characteristics of plantation agriculture in Brazil. **(5 marks)**
- 10) Explain any three problems that limit power production in Africa. **(6 marks)**

- 11) Explain any three measures that can be taken in order to discourage the development of slums in urban centres. **(6 marks)**
- 12) Differentiate between land rehabilitation and land reclamation. **(4 marks)**
- 13) Identify any five factors that favour forest exploitation in Africa. **(5 marks)**

SECTION B: Attempt only two questions. (40 marks)

- 14) (a) Give five consequences of high population density in Rwanda. **(5 marks)**
(b) Analyse the strategic policies put in place by the government of China to control the population. **(15 marks)**
- 15) (a) Identify any five advantages of road transport. **(5 marks)**
(b) Evaluate the problems that hinder trade among African countries. **(15 marks)**
- 16) (a) Identify the problems associated with industrialization in Germany. **(5 marks)**
(b) Explain any five factors that favoured Ruhr industrial development. **(15 marks)**

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Geography and Environment I

005

26/07/2021 8.30 AM - 11.30 AM



NESA NATIONAL EXAMINATION AND SCHOOL INSPECTION AUTHORITY

ORDINARY LEVEL NATIONAL EXAMINATIONS, 2020-2021

SUBJECT: GEOGRAPHY AND ENVIRONMENT I

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

1. Write your names and index number on the answer booklet as written on your registration form and **DO NOT** write your names and index number on additional answer sheets if provided.
2. Do not open this question paper until you are told to do so.
3. This paper has **THREE** sections **A**, **B** and **C**

SECTION A: This section is compulsory. **(55 marks)**

SECTION B: Attempt any **THREE** questions. **(30 marks)**

SECTION C: Attempt any **ONE** question. **(15 marks)**

4. Use only a **blue** or **black** pen.

SECTION A: ATTEMPT ALL QUESTIONS (55 marks)

- 1) Differentiate between mean annual temperature range and mean monthly temperature. **(2 marks)**
- 2) Briefly describe effects of rotation of the Earth. **(3 marks)**
- 3) Describe how mudflow is formed. **(4 marks)**
- 4) Explain how the following farming practices cause soil erosion.
 - a) Burning. **(2 marks)**
 - b) Monocultures. **(2 marks)**
- 5) a) What is a river divide? **2 marks**
b) Describe three ways by which a river transports its load. **(6 marks)**
- 6) How can water cause both chemical and physical weathering? **(2 marks)**
- 7) Why are granitic magmas thicker than basaltic magmas? **(2 marks)**
- 8) Describe how lava domes are formed. **(4 marks)**
- 9) Explain the negative effects of climate change on the physical environment. **(5 marks)**

10) Explain how the following factors influence the distribution of vegetation:

- a) Relief. (2 marks)
- b) Soils. (2 marks)

11) Describe three causes of Vulcanicity. (3 marks)

12) Explain four ways in which the clearing of vegetation has affected the natural environment in Rwanda. (4 marks)

13) Describe the processes of formation of each of the following types of sedimentary rocks:

- a) Mechanically formed sedimentary rocks. (4 marks)
- b) Organically formed sedimentary rocks. (4 marks)

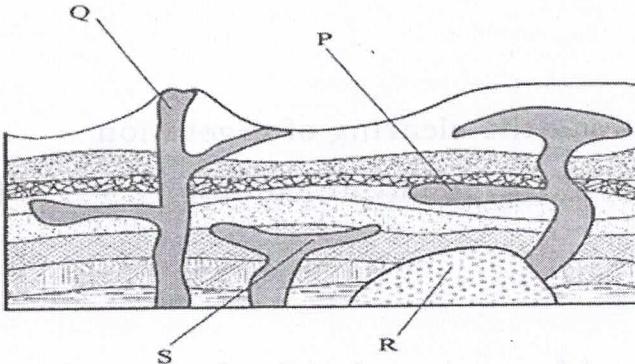
14) What is meant by the term ***environmental degradation?*** (2 marks)

SECTION B: ATTEMPT ANY THREE QUESTIONS (30 marks)

15) a) Describe four factors that influence river erosion. **(4 marks)**

b) Explain how stream cut Valleys are formed. **(6 marks)**

16) The diagram below shows some intrusive volcanic features.



a) Name the features marked Q, P, S and R. **(2 marks)**

b) Explain ways in which volcanic features influence human activities. **(8 marks)**

17) a) Explain how the following factors influence soil formation.

(i) Time. **(2 marks)**

(ii) Parent rock. **(4 marks)**

b) Describe four negative effects of soil erosion. **(4 marks)**

18) a) Explain how the following features are formed and for each, give an example from East Africa:

(i) A crater. **(3 marks)**

(ii) A geyser. **(4 marks)**

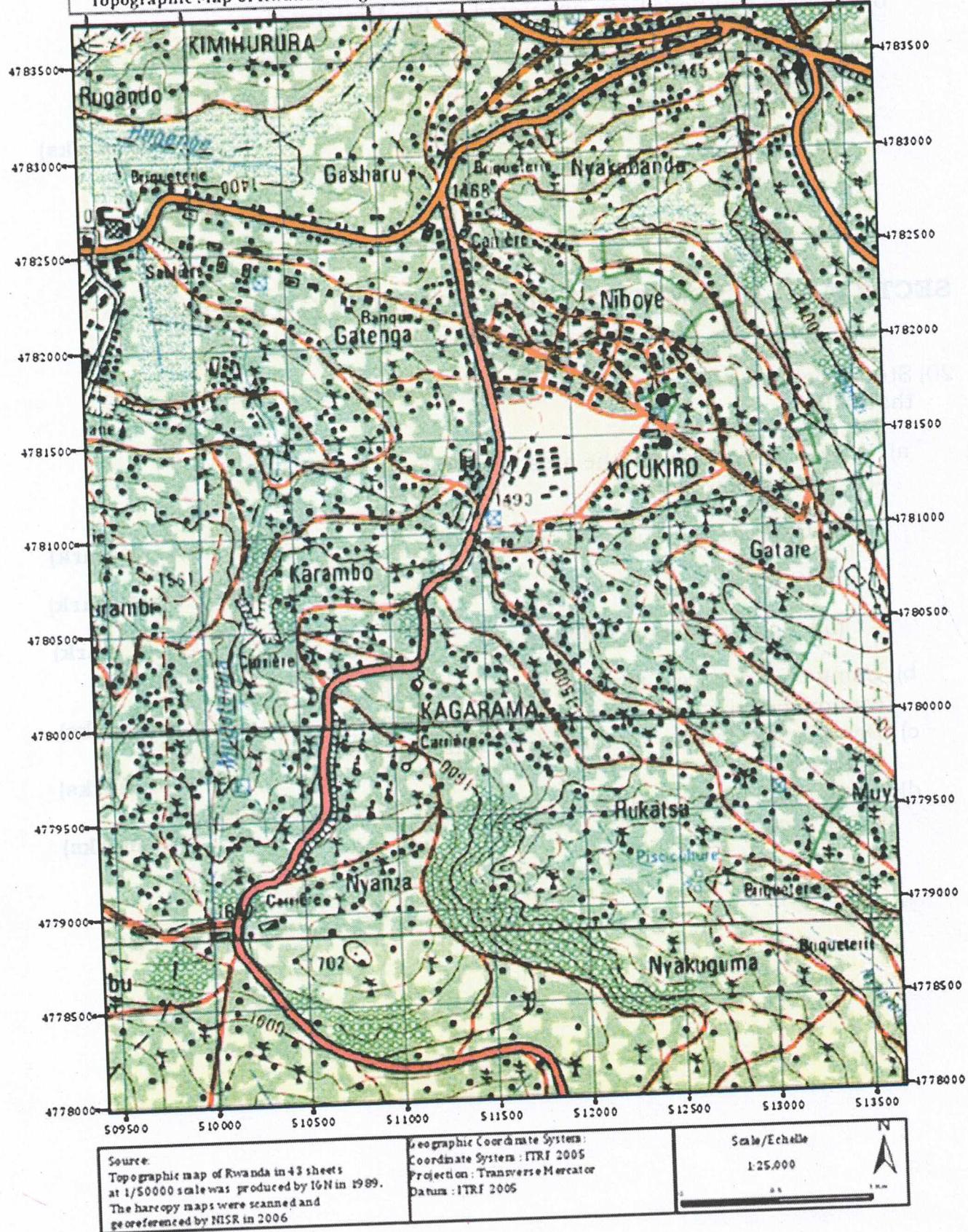
(iii) A lava plateau. **(3 marks)**

- 19) a) Explain four main causes of climate change in Rwanda. **(4 marks)**
- b) Suppose you have been appointed by the Ministry of environment as a specialist in charge of climate change, what mitigation measures would you put in place to avoid the increase of pollutant emissions? **(6 marks)**

SECTION C: ATTEMPT ANY ONE QUESTION (15 marks)

- 20) Study the map extract of Kagarama and answer the questions that follow:
- a) Draw a sketch map of the area shown on the map and on it, mark and name :
- (i) Gatenga Banque. **(1 mark)**
 - (ii) Quarry. **(1 mark)**
 - (iii) Major transport network. **(1 mark)**
- b) Using evidence from the map extract, describe four major economic activities carried out in Kagarama. **(4 marks)**
- c) Describe the factors that influence establishment of man-made features. **(4 marks)**
- d) Explain the problems likely to be faced by the people living in the area. **(4 marks)**

Topographic Map of Rwanda: Kagarama

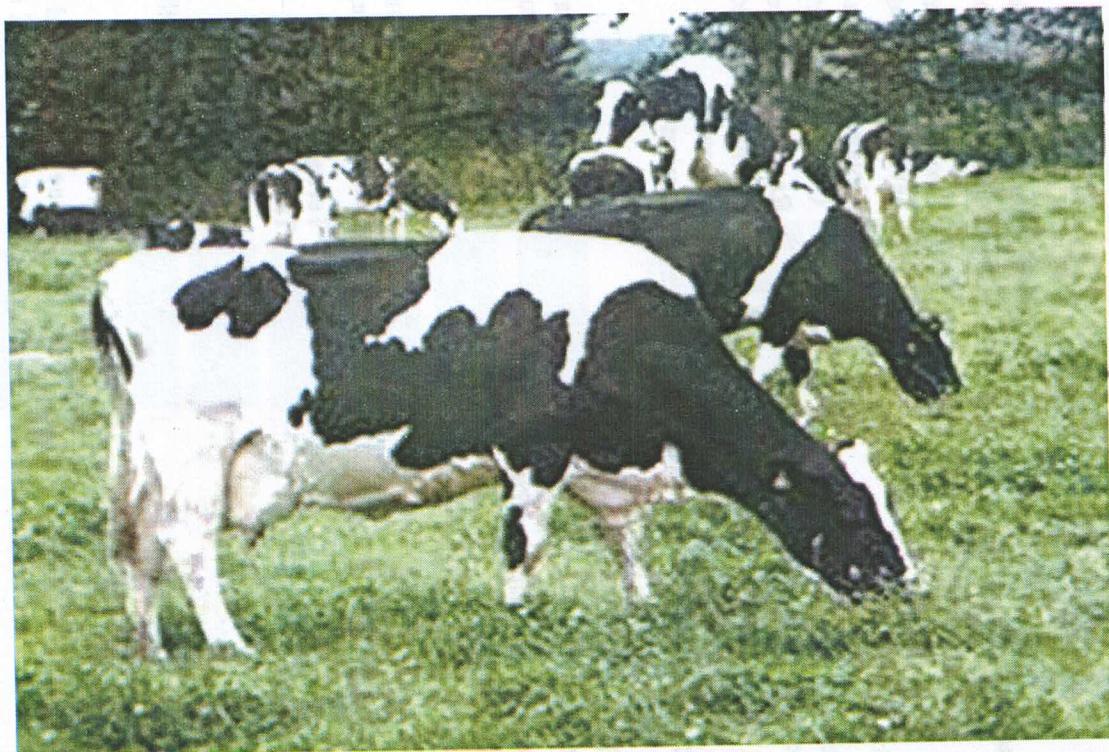


SCALE/ÉCHELLE 1:25,000

1000m 500 0 1 2 3 4 5 km

Main tarmac road Route nationale asphaltée		Dense/nucleated settlement Habitat concentré		Natural forest, plantation Forêt naturelle, boisement
Main murrum road Route nationale non asphaltée		Sparse, scattered Dispense, remarquable		Savannah or pasture Savane ou pâturage
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Track Piste carrossable		Sectorial bureau, school, dipping tank Bureau de secours, école, dipping tank		Rangeland, cash crop Prairie, cultures industrielles
Path Sentier		Religious edifices: church, temple, mosque Édifices religieux: église, temple, mosquée		Papyrus Papyrus
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Bridge, footbridge Pont en dur, pont en bois		Pond, marsh, a well Etang, marécage, puits		Terraces Talus
Contours Courbe de niveau		Lake, swamp Lac, marais		Rock, cliff Rocher, abrupt
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Quarry, factory and/or industrial complex Carrière, usine et/ou complexe industriel		Border pillar, radio booster station Bornes frontier, antenne relais de radio		Mine 1 operational 2 derelict Mine 1 en activité 2 arrêtée

21) Study the photograph below and answer the questions that follow:



- (a) What is the main activity shown in the photograph above? **(2 mark)**
- (b) (i) Name one geographical region in Rwanda where the activity identified in 21 (a) above is widely practiced. **(1 mark)**
- (ii) Explain the geographical conditions that favour the activity identified in 21(a) above. **(8 marks)**
- (c) In what ways has the economic activity mentioned in (a) and (b) above been improved in Rwanda? **(4 marks)**

**Geography and
environment I**

005

26/07/2021

08.30 AM – 11.30 AM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2020-2021

SUBJECT: GEOGRAPHY AND ENVIRONMENT I

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

1. Write your names and index number on the answer booklet as they appear on your registration form, and **DO NOT** write your names and index number on additional answer sheets of paper if provided.
2. Do not open this paper until you are told to do so.
3. This paper consists of **three** sections **A, B and C**

SECTION A: This section is compulsory.	(55 marks)
SECTION B: Attempt any THREE questions.	(30 marks)
SECTION C: Attempt any one question.	(15 marks)
4. Use only a **blue** or **black pen**.

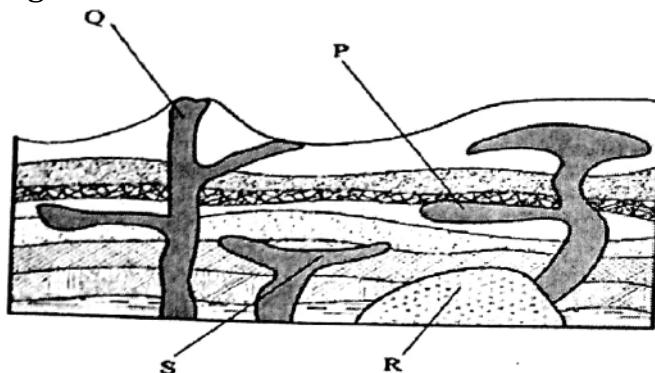
SECTION A: Attempt all questions from this section. (55 marks)

1. Differentiate between mean annual temperature range and mean monthly temperature. (2 marks)
2. Briefly describe effects of rotation of the Earth. (3 marks)
3. Describe how mudflow is formed. (4 marks)
4. Explain how the following farming practices cause soil erosion.
 - a) Burning (2 marks)
 - b) Monocultures. (2 marks)
5. a) What is a river divide? (2 marks)
b) Describe three ways by which a river transports its load. (6 marks)
6. How can water cause both chemical and physical weathering? (2 marks)
7. Why are granitic magmas thicker than basaltic magmas? (2 marks)
8. Describe how lava domes are formed. (4 marks)
9. Explain the negative effects of climate change on the physical environment. (5 marks)
10. Explain how the following factors influence the distribution of vegetation:
 - a) Relief. (2 marks)
 - b) Soils. (2 marks)
11. Describe three causes of vulcanicity. (3 marks)
12. Explain four ways in which the clearing of vegetation has affected the natural environment in Rwanda. (4 marks)
13. Describe the processes of formation of each of the following types of sedimentary rocks.
 - a) Mechanically formed sedimentary rocks. (4 marks)
 - b) Organically formed sedimentary rocks. (4 marks)
14. What is meant by **environmental degradation?** (2 marks)

SECTION B: Attempt only three questions (30 marks)

15. a) Describe four factors that influence river erosion. (4 marks)
b) Explain how stream cut Valleys are formed. (6 marks)

16. The diagram below shows some intrusive volcanic features.



- a) Name the features marked Q, P, S and R. **(2 marks)**
b) Explain ways in which volcanic features influence human activities. **(8 marks)**

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b) Describe four negative effects of soil formation. **(4 marks)**

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- (i) A crater **(3 marks)**
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- b) Suppose you have been appointed by the ministry of environment as a specialist in charge of climate change, what mitigation measures would you put in place to avoid the increase of pollutant emissions? **(6 marks)**

SECTION C: Attempt any one question (15 marks)

20. Study the map extract of Kagarama and answer the questions that follow:

a) Draw a sketch map of the area shown on the map extract and on it, mark and name:

(i) Gatenga Banque. **(1 mark)**

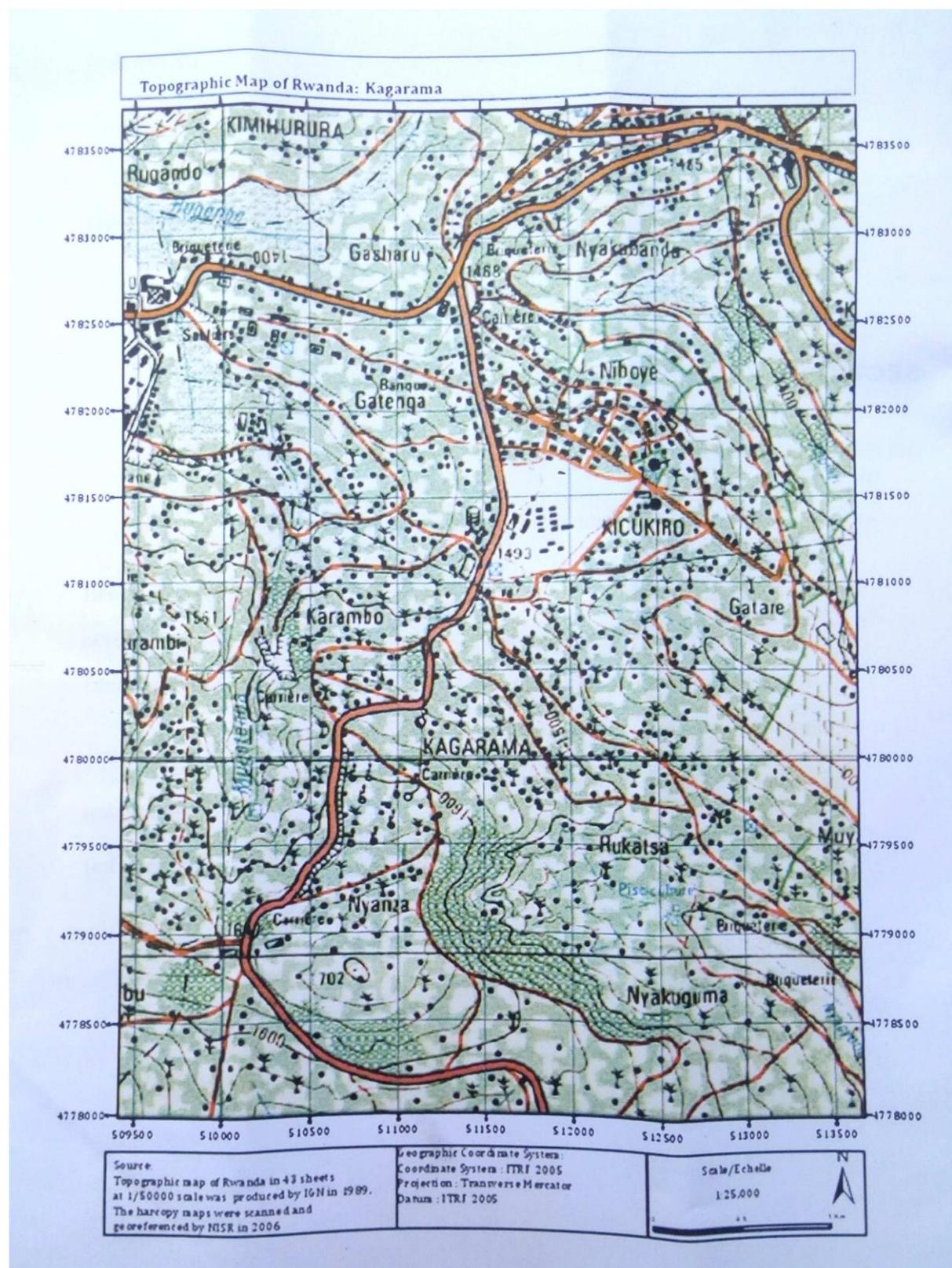
(ii) Quarry. **(1 mark)**

(iii) Major transport network. **(1 mark)**

b) Using evidence from the map extract, describe four major economic activities carried out in Kagarama. **(4 marks)**

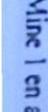
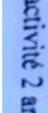
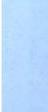
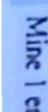
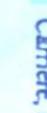
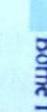
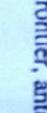
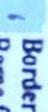
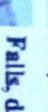
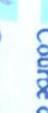
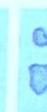
c) Describe the factors that influence establishment of man-made features. **(4 marks)**

d) Explain the problems likely to face by the people living in the area. **(4 marks)**

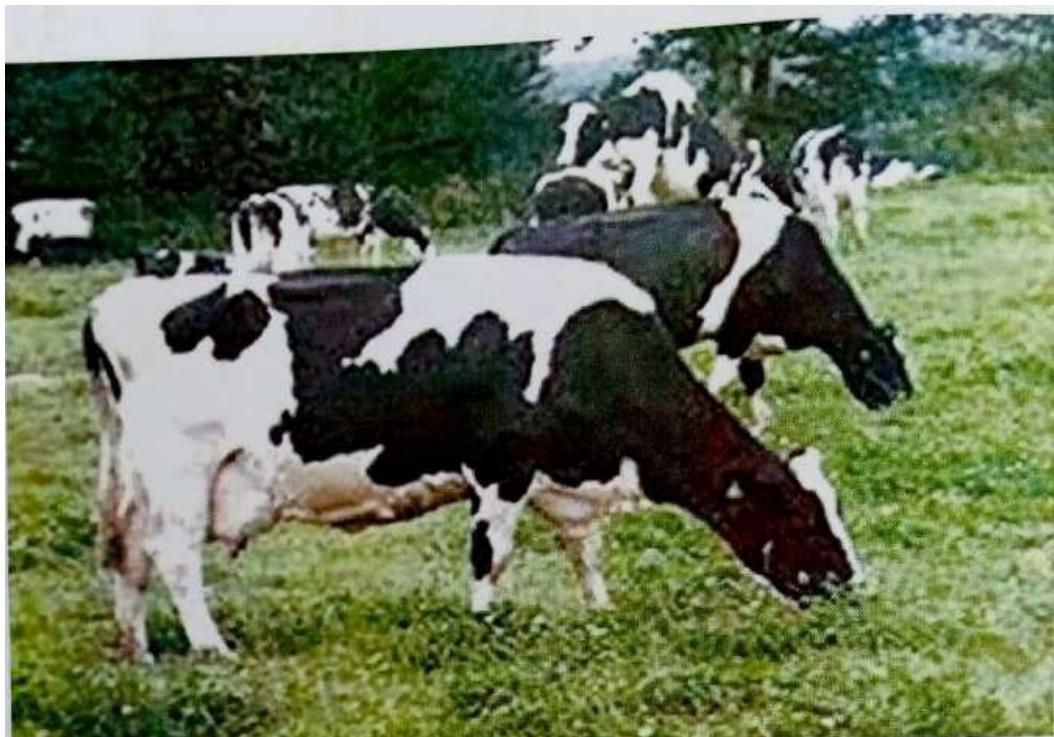


SCALE/ECHELLE 1:25,000

1000m 500 0 1 2 3 4 5 km

	Main tarmac road		Dense/nucleated settlement
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	Feeder road		Hospital, health centre, dispensary
	Route communale		Hôpital, centre de santé, dispensaire
	Track		Sectorial bureau, school, dipping tank
	Piste carrossable		Bureau de secteur, école, dipping tank
	Path		Religious edifice: church, temple, mosque
	Sentier		Border post, market
	Boulevard/road lined with trees		Poste de douane, marché
	Route bordée d'arbres		International airport, aerodrome/air strip
	Road under construction		Aéroport international, aérodrome
	Power/electric line		River
	Ligne de transport d'énergie électrique		Bridge, footbridge
	Pont en dur, pont en bois		Pont en dur, pont en bois
	Contours		Pond, marsh, a well
	Courbe de niveau		Etiang, mare, puits
	Contours, contour intervals, depression		Lake, swamp
	Coube de niveau, intercalaires, cuvette		Lac, mares
	Quarry, factory and/or industrial complex		Falls, dam
	Carrière, usine et/ou complexe industriel		Chutes, barrage
	Border pillar, radio booster station		Mine 1 operational
	Borne frontière, antenne relais de radio		Mine 2 derelict
	Mine 1 en activité		Mine 2 arrêtée

21. Study the photograph below and answer the questions that follow:



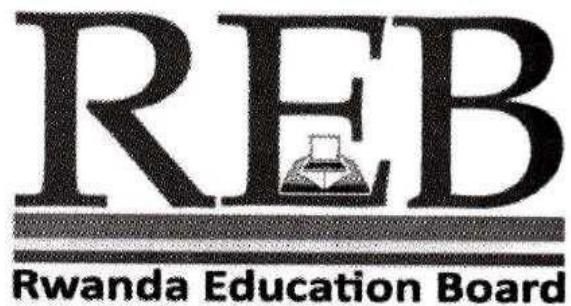
- (a) What is the main activity shown in the photograph above? **(2 marks)**
- (b) (i) Name one geographical region in Rwanda where the activity identified in 21 (a) above is widely practiced. **(1 mark)**
- (ii) Explain the geographical conditions that favour the activity identified in 21 (a) above. **(8 marks)**
- (c) In what ways has the economic activity mentioned in (a) and (b) above been improved in Rwanda? **(4 marks)**

**Geography and
environment II**

006

18/11/2019

2 PM – 5 PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2019

SUBJECT: GEOGRAPHY AND ENVIRONMENT

PAPER II: HUMAN AND ECONOMIC GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

- 1) Write your names and index number on the answer booklet as they appear on your registration form, and **DO NOT** write your names and index number on additional answer sheets of paper if provided.
- 2) Do not open this paper until you are told to do so.
- 3) This paper consists of **three** sections **A, B and C**

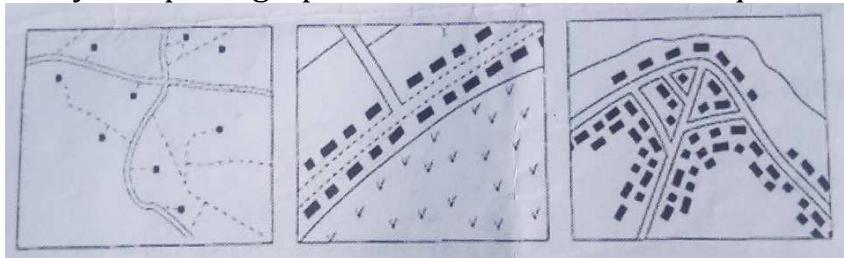
Section A: Attempt **ALL** questions **(55 marks)**

Section B: Attempt any **THREE** questions. **(45 marks)**

- 4) Use only a **blue or black pen**.

SECTION A: Attempt all questions from this section. (55 marks)

1. Name two exotic breeds of dairy cattle reared in Rwanda. (2 marks)
2. What are advantages of using solar energy in Rwanda? (3 marks)
3. Desert climate is mainly found in the sub-tropical high pressure belts between 20° and 30° of North and south of Equator. Describe three characteristics of such climate. (3 marks)
4. Suppose you have been appointed as Director General of Rwanda Environmental Management Authority, explain the measure would you put in place to conserve our natural environment. (5 marks)
5. Describe four ways in which the threats of pests can be controlled in Rwanda. (4 marks)
6. Explain four ways in which land is being rehabilitated in Rwanda. (4 marks)
7. Study the photographs below and answer the questions that follow:



What are the differences between the above three patterns of settlements? (6 marks)

8. (a) What type of vegetation would you expect to find in a region that experiences a mean temperature of 27°C and receives annual rain fall of about 1,500mm per annum? (1 mark)
(b) Describe four main characteristics of such vegetation. (4 marks)
9. Why is it significant to conserve water resources in Africa? (4 marks)
10. Why do most African countries earn little foreign exchange from their agricultural or mineral exports? (4 marks)
11. Despite the fact that river Nile flows over a long stretch of desert land, it has a large volume of water all year round. Explain. (3 marks)
12. Give and explain four factors that have led to Kigali city being overpopulated. (4 marks)

13. Although there are other forms of transport in the region, explain why water transport has been so vital to the Ruhr Industrial Region in Germany. **(4 marks)**
14. New York and Nairobi are two cities that differ in size and facilities; but there are some problems that they have in common. Describe any four of these problems. **(4 marks)**

SECTION B: Attempt only three questions **(45 marks)**

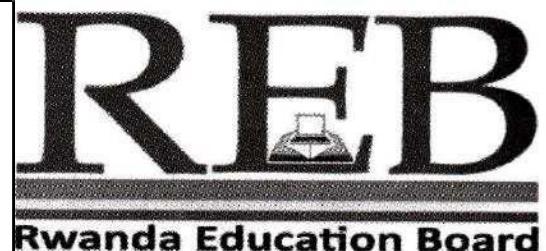
15. (a) Communication is an important factor in economic development. Show how it has contributed to the economic development of Africa. **(6 marks)**
(b) Explain the problems facing transport and communication in Africa. **(9 marks)**
16. (a) Explain the stages of reclamation of land from the sea in the Netherlands. **(8 marks)**
(b) Describe the benefits of land reclamation in the Netherlands. **(7 marks)**
17. (a) Describe the factors that have influenced population distribution in China. **(5 marks)**
(b) Explain disadvantages of a large population size to economy of China. **(5 marks)**
(c) Explain the steps being taken by Chinese government to solve the challenges of a large population. **(5 marks)**
18. (a) Describe how each of the following methods are used to catch fish:
 (i) Use of light. **(4 marks)**
 (ii) Hook and line method. **(4 marks)**
(b) Suppose you have been appointed by cabinet ministers as an expert in charge of water resource management, explain the measures would you put in place to conserve fish resources in Rwanda. **(7 marks)**
19. (a) Differentiate between open cut mining and shaft mining. **(2 marks)**
(b) Explain the benefits of mining to a national economy of African countries. **(6 marks)**
(c) Explain the difficulties caused by mining activities on physical environment. **(7marks)**

Geography and environment II

006

26/11/2018

2 PM – 5 PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2018

SUBJECT: GEOGRAPHY AND ENVIRONMENT II

PAPER II: HUMAN AND ECONOMIC GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

1. Write your names and index number on the answer booklet as they appear on your registration form, and **DO NOT** write your names and index number on additional answer sheets of paper if provided.
2. Do not open this paper until you are told to do so.
3. This paper consists of **TWO** sections **A** and **B**

Section A: attempt **ALL** questions in section A. **(55 marks)**

Section B: Attempt any **THREE** questions in section B. **(45 marks)**

4. Use only a **blue** or **black pen** for answering and a **pencil** for drawing.

SECTION A: Attempt all questions from this section. (55 marks)

1. (a) Distinguish between Imports and Exports, giving examples of each. **(4 marks)**
(b) Give and explain the reasons why Rwanda should trade with African countries. **(3 marks)**
2. Describe characteristics of plantation agriculture in Africa. **(3 marks)**
3. Explain environmental impacts of mining industry in Zambia. **(5 marks)**
4. Give and explain factors favouring the establishment of Small Scale Industries in East Africa. **(3 marks)**
5. Describe the problems experienced by the inhabitants of Nairobi City. **(4 marks)**
6. a) Describe three factors responsible for the decline of coal as a source of energy in Africa. **(3 marks)**
(b) Explain the human factors that influence the location of hydroelectric power station in Rwanda. **(3 marks)**
7. Describe the features of Mediterranean types of vegetation. **(3 marks)**
8. Explain reasons why wetlands should be conserved in Africa. **(3 marks)**
9. Explain reasons, why chemical industries are more developed in Egypt than in the rest of African countries. **(4 marks)**
10. Describe three ways in which objectives of the east African community will be achieved. **(3 marks)**
11. Suppose you were an investor in Democratic republic of Congo basin, describe how you would develop the Congo basin. **(3 marks)**
12. Explain four challenges facing telephone as a means of communication in Africa. **(4 marks)**
13. In what three ways does East Africa benefit from air links with the rest of the world? **(3 marks)**
14. Explain three setbacks facing the car manufacturing and electric industries in Japan. **(3 marks)**

SECTION B: ATTEMPT ANY THREE QUESTIONS (30 Marks)

15. (a) Draw a sketch map of Rwanda and on it, mark and label major tourist sites. **(4 marks)**
(b) Explain challenges facing the tourism industry in Rwanda. **(6 marks)**
(c) Suppose you are appointed the chief executive officer of Rwanda development Board; what measures would you put in place to improve the tourism industry in Rwanda? **(5 marks)**
16. (a) Explain the factors that hinder modernization of agriculture in Africa. **(8 marks)**
(b) Suppose you are appointed the advisor on Agriculture and Animal husbandry in the Africa Union, what measures would you put in place to improve the agricultural sector in African countries? **(7 marks)**
17. (a) Explain climatic conditions that have led to the survival of nomadic pastoralist in the Sahel region. **(5 marks)**
(b) Describe the setbacks faced by nomadic pastoralist in the Sahel region. **(6 marks)**
(c) Assume you have been appointed the advisor on climate change in East African Community, what measures would you put in place to support the livestock industry in the region? **(4 marks)**
18. (a) Draw a sketch map of Switzerland and on it, mark and name: **(5 marks)**
(i) Swiss Alps.
(ii) The Central plateau.
(iii) The Jura
(b) Explain why there are more hydroelectric power plant in the South and in the North of Switzerland? **(3 marks)**
(c) Give four reasons to explain why industries have developed in Basel town. **(4 marks)**
(d) Explain three setbacks which hinder industrial development of Switzerland. **(3 marks)**
19. (a) Describe the rationale behind the construction of Volta River project. **(4 marks)**
(b) Explain the significance of the Volta River project to the sustainable development of Ghana. **(7 marks)**
(c) Explain the difficulties faced during the construction of Volta River project. **(4 marks)**

Geography II

006

27/11/2017 2

PM – 5 PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2017

SUBJECT: GEOGRAPHY

PAPER II: HUMAN AND ECONOMIC GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

1. Write your names and index number on the answer booklet as they appear on your registration form, and **DO NOT** write your names and index number on additional answer sheets of paper if provided.
2. Do not open this paper until you are told to do so.
3. This paper consists of **two** sections **A** and **B**
 - Answer **ALL** questions in section A. **(55 marks)**
 - Answer **THREE** questions in section B. **(45 marks)**
4. Use only a **blue** or **black pen** for answering and a **pencil** for drawing.

SECTION A: Attempt all questions. (55marks)

- 1) Name two sahelian countries most affected by famine today. **(2 marks)**
- 2) a) Mention two primary sources of population data. **(2 marks)**
b) State three characteristics of the population structure of developing countries. **(3 marks)**
- 3) a) Differentiate between "multilateral" and "bilateral" trade. **(2 marks)**
b) Explain three problems facing trade in Rwanda. **(3 marks)**
- 4) Describe three measures that the Government of Rwanda has taken to combat water pollution. **(3 marks)**
- 5) Briefly explain the factors influencing the distribution of natural forests in Rwanda. **(3 marks)**
- 6) Explain problems facing the people living in the Atlas folded mountains. **(3 marks)**
- 7) a) (i) Name any three towns in the Ruhr Industrial Region of Germany which manufacture heavy machinery. **(3 marks)**
(ii) Describe two problems facing the transportation of the product in 7.a)(i) above. **(3 marks)**
- 8) State any three products obtained from the Swiss engineering industries. **(3 marks)**
- 9) Describe the challenges faced by Sudan in the process of maintaining irrigation schemes. **(4 marks)**
- 10) Explain physical factors that have favoured the location and growth of Rotterdam port. **(4 marks)**
- 11) Explain four factors that lead to high mean annual rainfall in some parts of Africa. **(4 marks)**
- 12) Outline three conditions necessary for the growth of desert vegetation. **(3 marks)**
- 13) Describe four geographical requirements for cocoa growing in Ghana. **(4 marks)**

- 14) Explain three measures the Government of Rwanda has taken in order to manage and conserve fisheries. **(3 marks)**
- 15) Explain three problems facing pipeline transport in Africa. **(3 marks)**

SECTION B: Attempt any three questions. (45 marks)

- 16) Study the table below showing steel production in former West Germany between 1977 and 1983 and answer the questions that follow.

Steel production in former West Germany (tonnes) from 1977 to 1983.

1977	1978	1979	1980	1981	1982	1983
39,000	45,000	46,000	44,000	42,000	40,000	26,000

- a) State the year when steel production was:
- (i) Highest. **(1 mark)**
- (ii) Lowest. **(1 mark)**
- b) Using the above table, describe the pattern of steel production. **(5 marks)**
- c) Using your knowledge of the iron and steel industry in former West Germany, explain the factors responsible for the pattern of steel production between 1977 and 1983. **(5 marks)**
- d) Describe three uses of steel and iron in Germany. **(3 marks)**
- 17) Read the passage below and answer the questions that follow:

“Switzerland, as in other highland areas of North –West Europe, the landscape has been created by ice Glaciers, Glaciers formed in mountains and flowed down hill enlarging and widening valleys, and leaving jagged, spectacular scenery. When the ice melted, lakes were formed on the valley floor”

Source: Waugh, D, “The world “p 118.

- a) (i) List three glacial features mentioned in the passage. **(3 marks)**
- (ii) Describe the formation of any one of the features listed above in 17(a) (i) above. **(3 marks)**

b) Name:

(i) The region in Switzerland with glaciated landscape. **(1 mark)**

(ii) Any three economic activities taking place in the region named in 17(b) (i) above. **(3 marks)**

c) (i) Outline the problems facing the people who carry out the economic activities named in 17(b) (ii) above. **(3 marks)**

(ii) Explain the steps being taken to solve the problems outlined in 17(c)(i) above. **(2 marks)**

18) a) (i) Why are natural forests in Rwanda rapidly disappearing? **(4 marks)**

(ii) Explain the effects of forest depletion in Rwanda. **(7 marks)**

(b) What steps should the government take to preserve these forests? **(4 marks)**

19) a) Give five examples of the environmental impact of mining on the population around Shaba -Zambia copper belt. **(5 marks)**

b) Explain the contribution of mining to the economic development of Zambia. **(10 marks)**

20) a) Name four types of industries found in Mombasa. **(3 marks)**

b) Explain the challenges facing the port of Mombasa today. **(8 marks)**

(c) How are the above problems being solved? **(4marks)**

Geography II

006

15/11/2016 2pm- 5pm



ORDINARY LEVEL NATIONAL EXAMINATIONS 2016

SUBJECT : GEOGRAPHY

PAPER II: HUMAN AND ECONOMIC GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

- 1) Do not open this question paper until you are told to do so.
- 2) Write your names and index number as they appear on your registration form.
- 3) This paper has **TWO** sections: **A** and **B**.

SECTION A: This section is compulsory. **(55 marks)**

SECTION B: Attempt any **THREE** questions. **(45 marks)**

- 4) Use **blue** or **black** pen.

SECTION A: Attempt all questions. (55marks)

- 1) a) Name one area in Africa that is not bordering the Mediterranean sea which has a Mediterranean type of climate. **(2marks)**
b) Giving three examples, describe the influence of the Mediterranean climate on human activities in the area named in (a) above. **(3marks)**
- 2) Briefly describe the factors that lead to high mean annual rainfall in some parts of Africa. **(3marks)**
- 3 a) Describe three factors that may lead to the growth of an urban centre. **(3marks)**
b) Explain three problems that result from urbanization. **(3marks)**
- 4) Give three reasons to explain why farmers in the old cotton belt of a southern state of United States of America cut down cotton growing. **(3marks)**
- 5 a) Mention any three industries that are found in the Kigali industrial zone. **(3marks)**
b) State three problems which are associated with industrial development in the USA. **(3marks)**
- 6) Cattle keeping is not a suitable economic activity in the coastal belt of West Africa. Give two reasons to explain why this is so. **(2marks)**
- 7 a) Giving two reasons, explain why natural forests are disappearing in Rwanda. **(2marks)**
b) What problems are likely to be faced in conserving the remaining forests? **(3marks)**
- 8) What are the foundations of the tourist industry in Switzerland? **(3marks)**
- 9 a) Explain four problems facing trade in Rwanda. **(4marks)**
b) Describe two ways in which Rwanda can correct adverse balance of trade. **(2marks)**
- 10) Give two reasons to explain why river transport is not well developed on most African rivers. **(2marks)**
- 11 a) Name two alternative sources of energy that have replaced coal as a source of energy in major coal producing countries. **(2marks)**
b) Give one advantage that each of the named sources in (a) above has over coal. **(2marks)**
- 12) Explain three requirements for coffee cultivation in Rwanda. **(3marks)**

- 13) Give four reasons to explain why industrialists prefer locating new industries where old ones exist. **(4marks)**
- 14 a) Explain what is meant by "Green house". **(1mark)**
- b) Give two uses of green houses. **(2marks)**

SECTION B: Attempt any three questions. (45marks)

- 15) Holland is one of the leading exporters of agricultural products.
- a) Describe three conditions that make Holland a leading producer of both agricultural and animal products. **(4marks)**
- b) Mention any three types of farm products that are major exports of Holland. **(3marks)**
- c) State two problems of land reclamation in Holland. **(2marks)**
- d) Explain how the Dutch have succeeded in solving the problems in (c) above. **(2marks)**
- e) (i) State two problems facing Polder lands. **(2marks)**
(ii) For any one of the problems stated in (c) (i) above, explain how they are being overcome. **(2marks)**
- 16 a) Define the following terms :
- (i) Population Density. **(1mark)**
- (ii) Population growth rate. **(1mark)**
- (iii) Population structure. **(2mark)**
- (iv) Optimum population. **(1mark)**
- (v) Income per capita. **(1mark)**
- (vi) Fertility rate. **(1mark)**
- b) Giving relevant examples, explain the problems of low population in some African countries. **(8marks)**
- 17 a) Distinguish between the following terms :
- (i) Industrialization and industry. **(2marks)**
- (ii) Light industries and Heavy industries. **(2marks)**
- (iii) Tertiary industry and secondary industry. **(2marks)**
- (iv) Labour intensive industries and capital intensive industries. **(2marks)**

- b) Explain the factors that determine the location of industries. **(7marks)**

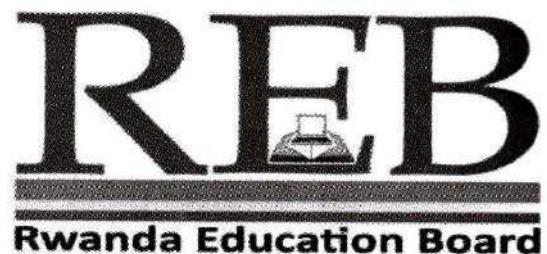
18) Read the passage below and answer the questions that follow :

"Land reform proper was quickly followed by the organization of groups of five to eight farming households into mutual-aid teams. Farmers were persuaded to pull their labour during peak seasons and to coordinate their agricultural activities. The next step involved the organization of fixed neighborhood into Agricultural Producer's Co-operatives. Members of each Co-operative would agree to pool their land and to work according to some central plan. One effect of this move on the landscape was the consolidation of the extremely fragmented and uneconomical holdings. Between 1956 and 1957, Co-operatives were consolidated into large communal farms. Land becomes the property of the commune".....

- a) (i) What does the expression "mutual -aid team" mean? **(1mark)**
- (ii) Describe three steps taken by the Chinese government to establish communal farms. **(3marks)**
- b) Give three changes why communal farming has been more successful in North – eastern China than Southern-eastern China. **(3marks)**
- c) (i) How have the communes taken care of their soils in North China? **(3marks)**
- (ii) What benefits do communal farms in China offer to their individual members? **(5marks)**
- 19 a) (i) Name the dominant type of people living in the Sahel region. **(1mark)**
- (ii) State the major occupation of the people identified in (a) (i) above. **(1mark)**
- b) (i) Why is crop cultivation difficult in African Sahel countries? **(3marks)**
- (ii) Explain why the Sahara desert is advancing southwards. **(2marks)**
- c) (i) Why is the Sahel region overcrowded in terms of animals and people? **(2marks)**
- (ii) In what ways can the problems in (c) (i) above be overcome? **(3marks)**
- (iii) Give reasons to suggest why the Sahel is an unpleasant place to live in. **(3marks)**

Geography I
005

16/11/2015 08.30 AM – 11.30 AM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2015

SUBJECT: GEOGRAPHY

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

1. Write your names and index number on the answer booklet as they appear on your registration form, and **DO NOT** write your names and index number on additional answer sheets of paper if provided.
2. Do not open this paper until you are told to do so.
3. This paper consists of **three** sections **A, B and C**

Answer **ALL** questions in section A. **(55 marks)**

Answer **THREE** questions in section B. **(30 marks)**

Answer only **one** question in section C **(15 marks)**

4. Use only a **blue** or **black** pen.

SECTION A: Attempt all questions from this section. (55 marks)

1. (a) What is a weather station? **(1 mark)**
(b) State three factors to be considered when setting up a weather station. **(3 marks)**
2. Name two types of fog. **(2 marks)**
3. Outline two characteristics of the atmosphere/ionosphere. **(3 marks)**
4. Give three reasons why the length of the day and night differ at different times of the year. **(3 marks)**
5. (a) What is meant by the term eclipse? **(1 mark)**
(b) With the help of a diagram, explain how a lunar eclipse occurs. **(3 marks)**
6. What is the name of an instrument used in measuring the rate of evaporation? **(1 mark)**
7. Describe the two types of aerial photographs below:
(a) Vertical aerial photographs. **(2 marks)**
(b) Oblique aerial photographs. **(2 marks)**
8. With the help of a diagram, describe how a Rain gauge is measured. **(8 marks)**
9. Describe three features of minerals. **(3 marks)**
10. Explain how the following factors affect chemical weathering:
(a) Steep slopes **(2 marks)**
(b) High elevation **(2 marks)**
11. Briefly describe three characteristics of Cirrus-clouds. **(3 marks)**
12. Copy and complete the following table of organically formed sedimentary rocks: **(6 marks)**

Types of organically formed sedimentary rocks	Formation process	Examples
Calcareous		
Siliceous		
Ferruginous		
13. Explain two types of earth movements. **(6 marks)**
14. Briefly describe three causes of earth movements. **(3 marks)**

SECTION B: ATTEMPT ANY THREE QUESTIONS. (30 MARKS)

15. (a) Define the term "fault steps". **(2 marks)**
(b) Describe two theories that have been advanced to explain the formation of rift valley. **(8 marks)**

16. The table below shows climatic characteristics of one station in Africa.

Month	Temperature (°C)	Rainfall (mm)
January	20	118
February	20	118
March	18	75
April	16	61
May	13	22
June	10	9
July	10	8
August	13	10
September	16	25
October	18	69
November	18	116
December	19	117

- (a) Draw a suitable graph to represent the climate of the station. **(4 marks)**
(b) Briefly explain the climatic characteristics of the climate represented by the data in the table. **(3 marks)**
(c) (i) In which hemisphere is the station likely to be located? **(1 mark)**
 (ii) Give a reason for your answer in (c) (i) **(1 mark)**
 (iii) Name a place in Africa that could be represented by the data. **(1 mark)**

17. Explain the advantages and disadvantages of vegetation forest in Rwanda. **(10 marks)**

18. (a) Differentiate slow mass wasting from rapid mass wasting, and give examples of each type of mass wasting. **(4 marks)**
(b) Explain three ways in which soil creep occurs. **(3 marks)**
(c) Describe three effects of mass wasting on physical and human environment. **(3 marks)**

19. The diagram below shows river meanders. Use it to answer questions (a) and (b).
(a) Name the processes that take place at point P and Q. **(2 marks)**
(b) Name the features formed at point R. **(1 mark)**
(c) Explain two causes of rejuvenation. **(4 marks)**
(d) Outline three characteristics of old stage river. **(3 marks)**

Geography II

006

03/11/ 2014

2PM- 5PM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2014

SUBJECT : GEOGRAPHY

PAPER II : HUMAN AND ECONOMIC GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS :

1. Do not open this question paper until you are told to do so.
2. Write your names and index number as they appear on your registration form.
3. This paper has **TWO** sections **A** and **B**.

SECTION A: This section is compulsory.

(55 marks)

SECTION B: Attempt any **THREE** questions.

(45 marks)

4. Use blue or black pen.

SECTION A : ATTEMPT ALL QUESTIONS. (55marks)

1. Mention the requirements for modernizing agriculture in Rwanda. **3marks)**
2. (a) Give the name given to ranches in Australia. **(1mark)**
(b) Name two main products got from sheep in Australia. **(2marks)**
3. (a) Explain two methods of fishing in Rwanda. **(2marks)**
(b) Explain three ways of conserving fish in Rwanda. **(3marks)**
4. Name two countries located in the horn of Africa. **(2marks)**
5. Explain the significance of Nile River to the existence of the Egyptians. **(3marks)**
6. (a) Differentiate between mining and quarrying. **(2marks)**
(b) Explain three factors favouring gold mining in Zimbabwe. **(3marks)**
7. Explain three reasons why Africa gets low prices for its products on the international markets. **(3marks)**
8. Giving three reasons, explain why biogas is more preferable to other sources of energy in Rwanda. **(3marks)**
9. (a) With the use of relevant examples, explain three categories of industries in Africa. **(3marks)**
(b) Briefly explains obstacles that hinder industrial development in Africa. **(4marks)**
10. (a) Give three factors that make water transport on rivers difficult in Africa. **(3marks)**
(b) Name two countries joined by TAZARA or TANZAM rail way. **(2marks)**
12. (a) State two characteristics of Amazon forest. **(2marks)**
(b) Mention the three benefits of Trans -Amazonia high way. **(3marks)**
13. Explain four factors affecting agriculture in the North of China. **(4marks)**
14. (a) Explain any three types of rural settlement . **(2marks)**
(b) Explain two reasons why scattered settlement may hinder rapid developments in rural areas of Rwanda. **(2marks)**
15. Briefly explain three causes of high death rates in most developing countries. **(3marks)**

SECTION B : ATTEMPT ANY THREE QUESTIONS ONLY. (45 marks)

16. Discuss advantages and disadvantages of biomass as source of power energy in Rwanda. **(15marks)**
17. (a) What is market gardening? **(1mark)**
- (b) Describe factors that favour market gardening in California. **(7marks)**
- (c) Explain problems that face market gardening in California. **(7marks)**
18. (a) Name the country in which Mombasa is located. **(1mark)**
- (b) Mention two major commodities Rwanda imports through Mombasa port. **(2marks)**
- (c) Explain factors responsible for the growth of Mombasa as a port. **(6marks)**
- (d) Explain the importance of Mombasa as a port to the East African Community. **(6marks)**
19. (a) Mention two African countries that are members of the Organization of the Petroleum Exporting Countries (OPEC). **(2marks)**
- (b) What are the benefits of the countries that have joined the Organization of the Petroleum Exporting Countries (OPEC)? **(4marks)**
- (c) Describe the uses of petroleum oil in its different forms. **(4marks)**
- (d) Explain problems these countries face in oil production. **(5marks)**
20. (a) Explain four reasons why Trans-Siberian railway was constructed. **(4marks)**
- (b) Describe the benefits of trans-Siberian railway to the people of Russia. **(5marks)**
- (c) Briefly explain problems that Russia faced in the construction of the Trans-Siberian railway. **(6marks)**

Geography I

005

04/11/ 2013 8.30am – 11.30am

REPUBLIC OF RWANDA



RWANDA EDUCATION BOARD

ORDINARY LEVEL NATIONAL EXAMINATIONS 2013

SUBJECT : GEOGRAPHY

PAPER I : PHYSICAL GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS :

1. Do not open this question paper until you are told to do so.
2. This paper has **Three** sections **A, B and C**:

SECTION A: This section is compulsory.

(55 marks)

SECTION B: Attempt **any THREE** questions.

(30 marks)

SECTION C Attempt **only one** question.

(15marks)

SECTION A: ANSWER ALL QUESTIONS. (55marks)

- State the instruments used to measure the following weather elements
 - Wind direction (1mark)
 - Temperature (1mark)
 - Precipitation (1mark)
 - Atmospheric pressure. (1mark)
- The table below shows the climatic information from Kisangani (RDC) in a selected year.

Months	J	F	M	A	M	J	J	A	S	O	N	D
Temperature T°C	25	26	26	26	26	25	24	24	24	25	25	25
Rainfall mm	53	84	178	158	137	114	132	165	183	218	198	84

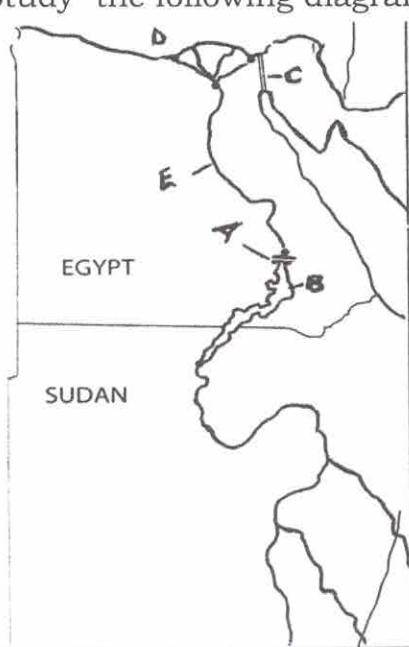
Calculate : i. Annual temperature range (1mark)
ii. Mean annual rainfall. (1mark)

- Describe four “natural” causes of soil erosion. (4marks)
- What are the major effects of the removal of vegetation on the environment in Rwanda? (2marks)
- Name four layers of the Earth in order from the outside (surface) to the center (interior) of the Earth. (4marks)
- Name the latitude that crosses Rwanda. (1mark)
- What is altitude? (1mark)
 - Mention two layers of the atmosphere. (2marks)
 - Give one use of the atmosphere. (1mark)
- Which are the three stages of a river? (3marks)
 - What do we call the point where two rivers meet? (1mark)
 - Give any two reasons to explain why most rivers of Rwanda flow eastwards. (2marks)
- Name two processes that changes sedimentary rock into igneous rock. (2marks)
 - Explain four ways in which rock sediments are carried in a stream. (4marks)
- What is the importance of knowing about the direction and the velocity of the wind? (2marks)
 - Differentiate between :
 - Sea breeze and Land breeze. (2marks)
 - Harmattan wind and Khamsin wind. (2marks)
- What is a rift valley? (1mark)
 - How is a rift valley formed? (2marks)
 - In which part of the rift valley is Lake Kivu found? (1mark)

10. The north of Rwanda is characterized by volcanic mountains.
 a) Name both the youngest and the oldest volcanoes of Rwanda. **(2marks)**
 b) Name one volcano that lies between Rwanda and Democratic Republic of Congo. **(1mark)**
11. Australia is a big island.
 a) What is an island? **(1mark)**
 b) Name two oceans that surround Australia. **(2marks)**
 c) Name one desert found in Australia. **(1mark)**
12. a) Explain two causes of earth movements. **(2 marks)**
 b) Define the term earthquake. **(1mark)**
 c) Describe two effects of earthquake. **(2marks)**

SECTION B: ATTEMPT ANY THREE QUESTIONS (30marks)

13. a) What is weathering? **(2marks)**
 b) Explain how biological organisms and climate influence weathering. **(2marks)**
 c) Differentiate between physical weathering and chemical weathering. **(3marks)**
 d) Explain the influence of weathering on human activities. **(3marks)**
14. Explain the factors influencing the type of vegetation. **(10marks)**
15. Study the following diagram and answer the questions that follow:



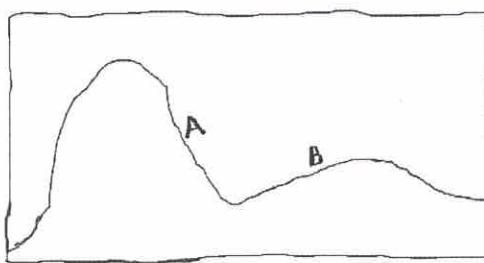
- a) Name the river labeled E **(1mark)**
 b) i. Name the lake named B **(1mark)**
 ii. Identify two sources of water found in lake B. **(2marks)**
 c) i. Name the sea named D **(1mark)**
 ii. Describe how the delta through which the river enters the Sea was formed. **(2marks)**
 d) Name the canal labeled C **(1mark)**
 e) What is the importance of canal C to the economy of Egypt? **(2marks)**

16. a) What is the meaning of relief?

(1mark)

b) Name the type of slopes by letters A and B.

(2marks)



c) Differentiate between a plain and a plateau.

(2marks)

d) Name one province in Rwanda where steep slopes are commonly found and describe the impact of those slopes on agricultural activities.

(5marks)

17. a) Describe three ways in which sedimentary rocks were formed.

(2marks)

b) Explain the significance of rocks to the economy of Rwanda under the following : tourism; energy; water.

(6marks)

c) What is a mineral?

(2marks)

SECTION C: ANSWER ONE QUESTION OF YOUR CHOICE. / 15MARKS

18. Study the map extract of KIREHE and answer the questions that follow :

a) identify the feature found at the grid reference 752492.

(1mark)

b) Name the type of vegetation growing near river Akagera.

(1mark)

c) Identify two rivers shown on the map.

(2marks)

d) Calculate the distance between the grid reference 752492 and grid reference 800440 after joining them with the straight line.

(2marks)

e) Name two cash crops cultivated in the region.

(2marks)

f) Name two other economic activities carried out in the area covered by the map.

(2marks)

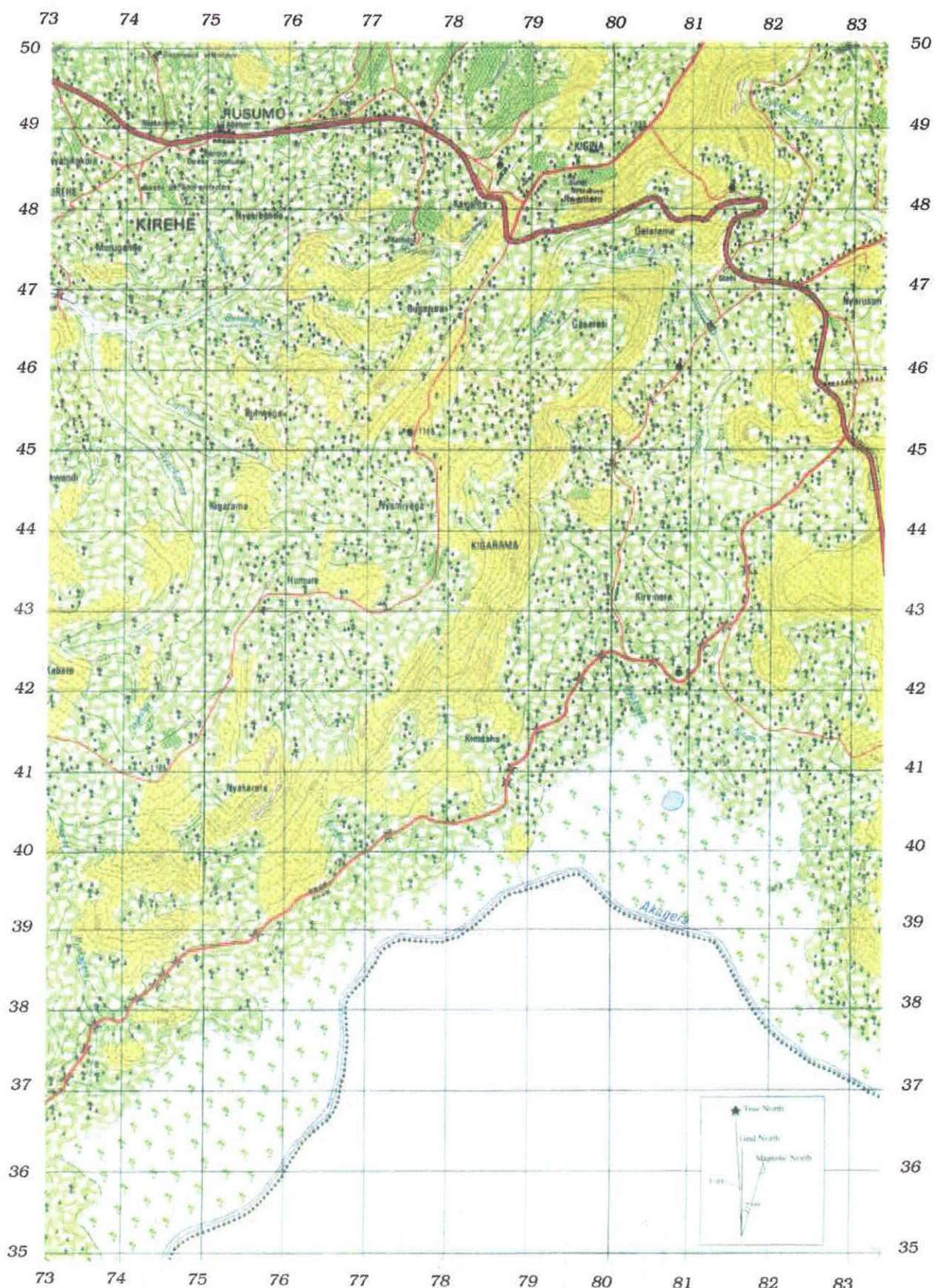
g) Differentiate the types of settlement patterns shown on the map.

(2marks)

h) Give three reasons for the concentration of people along the main road.

(3marks)

MAP : KIREHE



SCALE: 1:50000

SCALE/ÉCHELLE 1:50,000

1000 500 250 100 50 25 10 5 2 1

Main tarmac road Route national asphaltée		Dense/nucleated settlement, sparse, scattered Habitat concentré, dispersé, remarquable	
Main murram road Route national non asphaltée		Hospital, health centre, dispensary Hôpital, centre de santé, dispensaire	
Feeder road Route communale		Sectorial bureau, school, dipping tank Bureau de secteur, école, dipping tank	
Track Piste carrossable		Bureau de secteur, dipping tank Bureau de secteur, école, dipping tank	
Path Sentier		Religious edifices: church, temple, mosque Edifices religieux: église, temple, mosquée	
Boulevard/road lined with trees Route bordée d'arbres		Border post, market Poste de douane, marché	
Road under construction Route en construction		International airport, aerodrome/air strip Aéroport international, aérodrome	
Power/electric line Ligne de transport d'énergie électrique		River Rivière	
Bridge, footbridge Pont en dur, pont en bois		Pond, marsh, a well Etang, mare, puits	
Contours Courbe de niveau		Lake, swamp Lac, marais	
Contours, contour intervals, depression Coube de niveau, intervalles, cuvette		Falls, dam Chutes, barrage	
Quarry, factory and/or industrial complex Carrière, usine et/ou complexe industriel		Border pillar, radio booster station Borne frontière, antenne relais de radio	
		Mine 1 operational 2 derelict Mine 1 en activité 2 arrêtée	
		Mine 1 operational 2 derelict Mine 1 en activité 2 arrêtée	

19. Study the photograph provided below and answers the questions that follow.



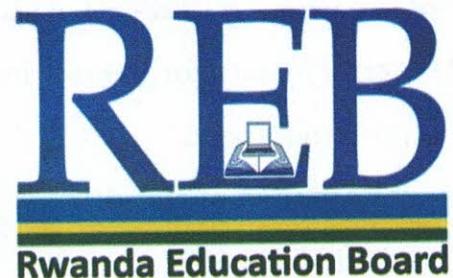
- a) Identify the feature shown in the background of the photo. **(1mark)**
- b) Outline two types of land transport used by the people of the region covered by the photo. **(2marks)**
- c) Name the man made feature shown on the photo. **(1mark)**
- d) Name two districts of Rwanda where this photo might have been taken and give one reason to explain why you have selected these districts. **(3marks)**
- e) Suggest five ways of preventing the soil in the area covered by the photo from being eroded and maintaining its fertility. **(5marks)**
- f) Describe the relief of the area covered by the photo. **(3marks)**

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Geography I

005

03/11/ 2014 8.30AM- 11.30AM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2014

SUBJECT : GEOGRAPHY

PAPER I : PHYSICAL GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS:

1. Do not open this question paper until you are told to do so.
2. Write your name and index number as they appear on your registration form.
3. This paper has **Three** sections : **A** and **B** and **C**.

SECTION A: This section is compulsory.

(55 marks)

SECTION B: Attempt **any THREE** questions.

(30 marks)

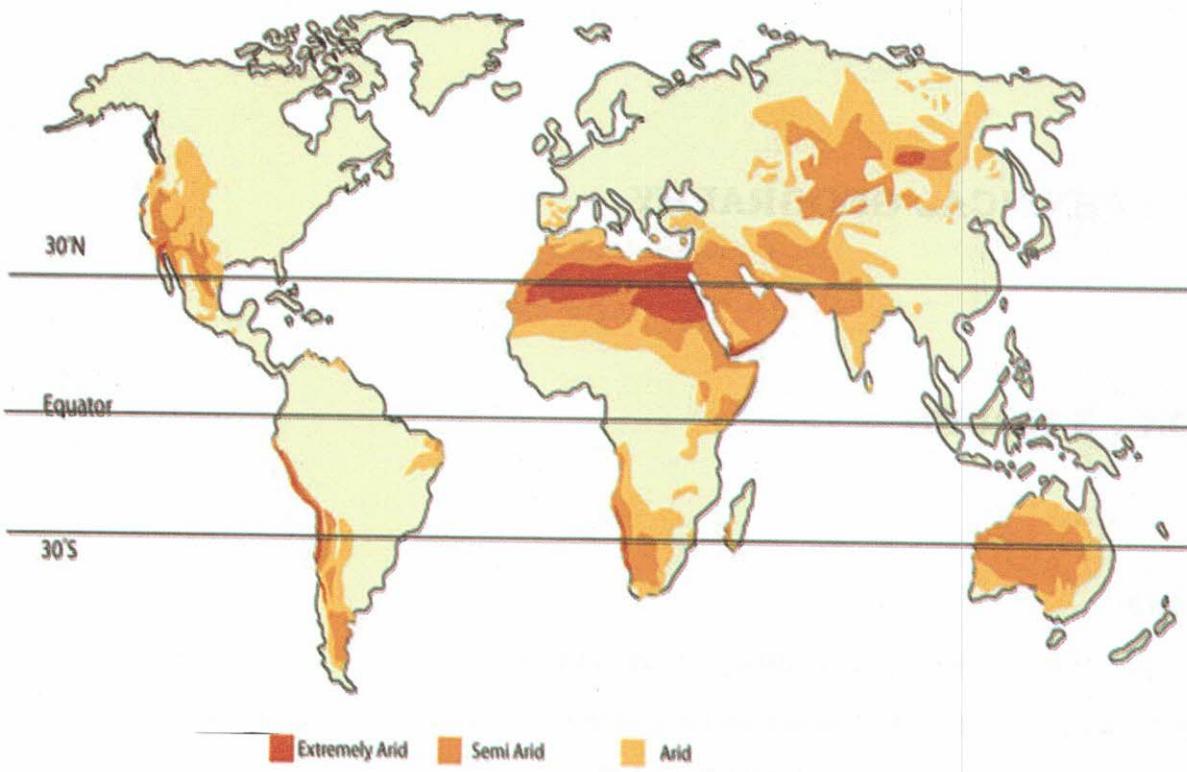
SECTION C: Attempt **only one** question .

(15marks)

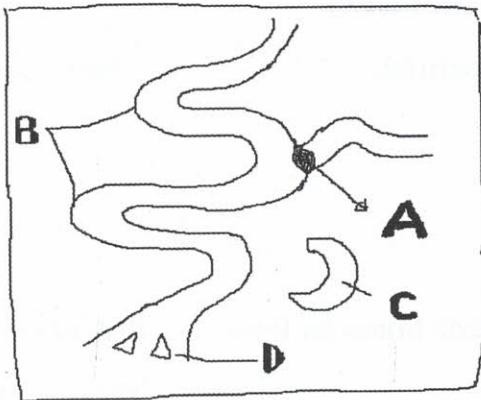
4. Use blue or black pen.

SECTION A : ATTEMPT ALL QUESTIONS. (55marks)

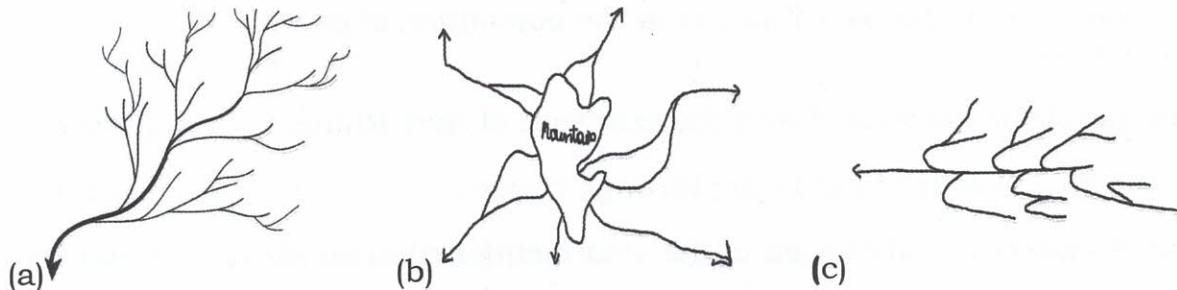
1. Identify units for measuring the following elements of weather:
 - (a) Wind speed **(1mark)**
 - (b) Amount of cloud **(1mark)**
 - (c) Air pressure **(1mark)**
2. Mention two types of aerial photographs. **(2marks)**
3. How is geography related to mathematics? **(2marks)**
4. Name two brightest heavenly bodies in the sky. **(2marks)**
5. What are the two kinds of Eclipses? **(2marks)**
6. What causes time difference between longitudes? **(1mark)**
7. (a) What is meant by a leap year? **(1mark)**
(b) How does a leap year come about? **(2marks)**
8. Describe three forms of rainfall. **(3marks)**
9. Name tropics named 30°S and 30°N in the following map. **(2marks)**



10. (a) Describe the three characteristics of Birunga forests. **(3marks)**
(b) Explain the benefits of Birunga forest to the population living nearby. **(3marks)**
11. Identify the river features labeled as A, B, C and D. **(4marks)**



12. Give the names of the following drainage patterns. (3marks)



13. (a) Briefly explain the process of vulcanicity. (4marks)

(b) What are the mineral constituents of SIAL and SIMA? (4marks)

14. Below are the names of the three types of rocks: sedimentary, igneous, metamorphic. Copy the table and write the three names alongside the correct definition. (3marks)

DEFINITION	TYPE OF ROCK
a) A rock type which has been changed by heat and or pressure
b) A rock type which may have been deposited under water
c) A rock type that was once molten

15.(a) Draw a fold structure and name its three main parts. (3marks)

(b) Name two african areas where fold mountains are found. (2marks)

16. (a) Name the type of vegetation dominant in the western part of Rwanda. (1mark)

(b) What are the characteristics of the type of vegetation mentioned in (a) above. (3marks)

(c) Explain two factors responsible for the existence of the vegetation. (2marks)

SECTION B : ATTEMPT ONLY THREE QUESTIONS. (30marks)

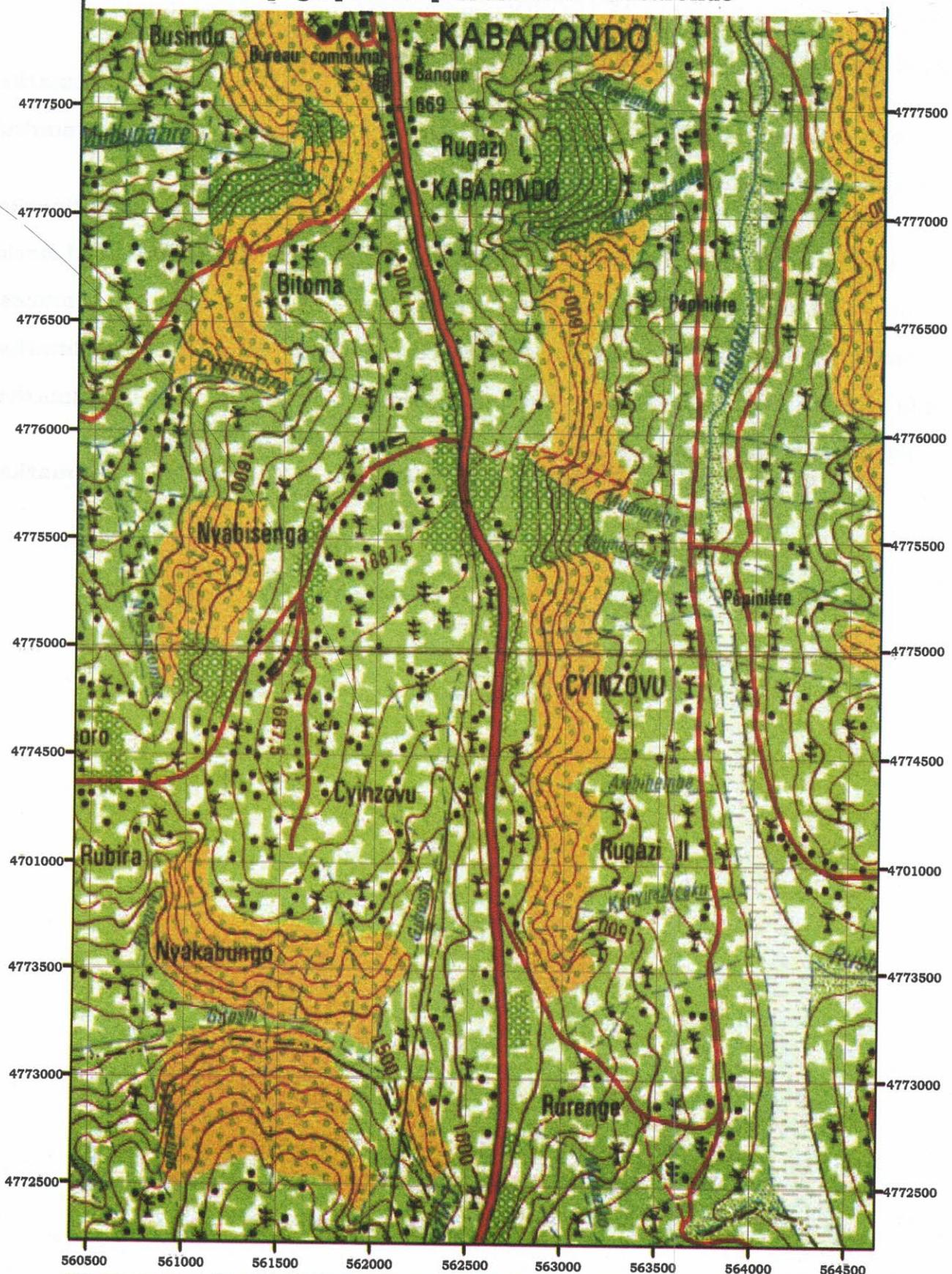
17. (a) Explain the ways in which the lakes below were formed. **(3marks)**
- (i) Lake Kivu
 - (ii) Lake Rweru
 - (iii) Lake Ruhondo
- (b) Explain with relevant examples the uses of different lakes in Rwanda. **(7marks)**
18. (a) Name two countries crossed by river Rhine. **(2marks)**
- (b) Name capital city of one of countries named in (a) above. **(1mark)**
- (c) Explain how useful the river Rhine is to the population of countries mentioned in (a) **(4marks)**
- (d) Explain problems associated with the existence of river Rhine. **(3marks)**
19. (a) Name the type of soils found in the Birunga region. **(1mark)**
- (b) Explain 4 causes of soil erosion in the area mentioned in (a) above. **(4marks)**
- (c) Describe different ways of keeping the soil from being eroded. **(5marks)**
20. (a) Name the dominant rain forest in parts of South America. **(1mark)**
- (b) Identify three countries that are occupied by the forest mentioned in (a) above. **(3marks)**
- (c) Describe the characteristics of the rain forest in (a) above. **(3marks)**
- (d) Explain factors responsible for the existence of the rain forest said in (a) above. **(3marks)**
21. (a) Name two rivers that meet to form river Akagera. **(2marks)**
- (b) Name the water fall found on the river Akagera. **(1mark)**
- (c) Explain four uses of the fall mentioned in (b) above. **(4marks)**
- (d) Describe the importance of the Akagera swamp to the population of the area. **(3marks)**
22. (a) Mention two largest rivers of China. **(2marks)**
- (b) Name the highest peak in the world and the mountain range where it is found. **(2marks)**
- (c) Mention the mountain range that separates Europe and Asia. **(1mark)**
- (d) Explain the importance of high mountains mentioned in (a). **(5marks)**

SECTION C: ATTEMPT ONLY ONE QUESTION OF YOUR CHOICE. (15marks)

23. Study the map extract of KABARONDO and answer the questions that follow :

- (a) (i) Identify the highest and the lowest altitude of the area covered by the map. **(2marks)**
- (iii) Compare the relief of Nyakabungo to that of Rurenge. **(2marks)**
- (b) (i) Identify the type of settlement in the map and give evidence to support your answer. **(2marks)**
- (ii) Identify the man made feature shown on grid reference 4775500 **(1mark)**
- (iii) What are two types of scale used on the map? **(2marks)**
- (c) Name two economic activities of the area covered by the map. **(2marks)**
- (d) (i) Mention two main functions in the Kabarondo centre. **(2marks)**
- (ii) Measure the distance in km of the feeder road of Bitoma from the grid reference 560500 to the main murrum road of Kabarondo. **(2marks)**

Topographic Map of Rwanda : Kabarondo



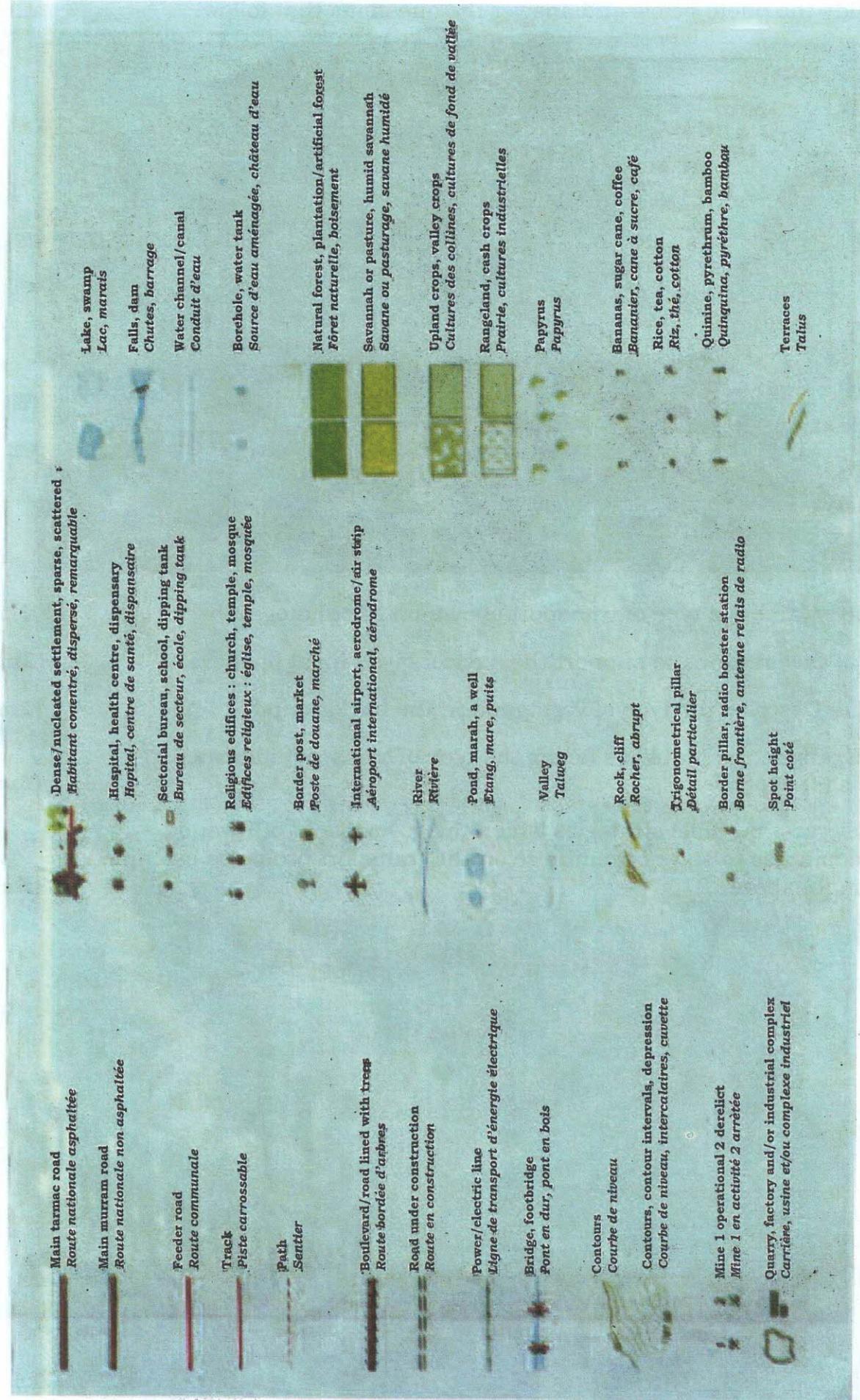
Source :
Topographic map of Rwanda in 43 sheets
at 1/50000 scale was produced by IGN in 1989.
The harcopy maps were scanned and
georeferenced by NISR in 2006

Geographic Coordinate system :
Coordinate system : ITRF 2005
Projection : Transverse Mercator
Datum : ITRF 2005

Scale/Echelle
1:25,000



SCALE 1:25,000



24. Study the photo below and answer the questions that follow.



- a) (i) Name the type of transport shown on the photograph. **(1mark)**
- (ii) Give reasons to support the answer given in (a) (i) above. **(2marks)**
- (iii) Describe the type of vegetation in the background. **(2marks)**
- b) Examine the problems facing the type of transport indicated in (a) (i) above. **(5marks)**
- c) Suggest possible strategies which the government of Rwanda could use to solve or minimize on the transport problems examined in (b) above. **(5marks)**

Geography II

006

04/11/ 2013 2pm - 5pm

REPUBLIC OF RWANDA



RWANDA EDUCATION BOARD

ORDINARY LEVEL NATIONAL EXAMINATIONS 2013

SUBJECT : GEOGRAPHY

PAPER 2 : HUMAN GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS:

1. Do not open this question paper until you are told to do so.

2. This paper consists of **Two** Sections A & B :

SECTION A: This Section is compulsory. **(55 marks)**

SECTION B: Attempt **any THREE** Questions. **(45 Marks)**

3. Use only Blue pen.

SECTION A : ATTEMPT ALL QUESTIONS (55 marks)

1. a) State two characteristics of shifting cultivation. **(2 marks)**
b) Give two factors that favour crop cultivation in areas bordering the Virunga mountains of Rwanda. **(2 marks)**

2. a) What is meant by the term "plantation agriculture"? **(1 mark)**
b) State two conditions that favour plantation agriculture. **(2 marks)**

3. a) Explain two methods used in the preservation of fish in Rwanda. **(2 marks)**
b) State two uses of fishing to the economy of Rwanda. **(2 marks)**

4. a) Define the following terms:
 - i. Environment **(1 mark)**
 - ii. Lumbering **(1 mark)**
 - iii. Deforestation **(1 mark)**
b) What is meant by forest Conservation? **(1 mark)**

5. a) Mention four sources of energy in Rwanda. **(4 marks)**
b) Give two reasons to explain why there is low supply of hydro-electric power in Rwanda. **(2 marks)**

6. Read the passage below and answer the questions that follow:

"Rotterdam is the largest port in Europe. It has existed for more than 600 years but became a major port during the 19th century. Its rapid growth and prosperity in modern times have gone hand in hand with the increase in population, industry and trade of its hinterland. Thus in addition to becoming the largest commercial port of the Netherlands, Rotterdam has become an entreport for a large part of western Europe..."

(Adapted from Young and Lowry: A course in World Geography: Europe and the Soviet Union, 3rd Ed .page 115).

- a) (i) What is a hinterland? **(1 mark)**
(ii) Name two countries of Western Europe, which make up the Rotterdam hinterland. **(2 marks)**
- b) Give three reasons to explain why Rotterdam has grown into one of the largest ports in Western Europe. **(3 marks)**
- c) Explain two major problems facing this port. **(2 marks)**
7. a) Name two major crops grown in the United States of America. **(2marks)**
b) Give and explain two factors that have favoured extensive farming methods in United States of America. **(4 marks)**
c) Compare the problems faced by farmers in the USA and those in Rwanda. **(3 marks)**
8. a) State two characteristics of equatorial rainforests. **(2 marks)**
b) Name two land-use types in the equatorial rain forests. **(2 marks)**
9. a) Explain two causes of population movements in Rwanda. **(2 marks)**
b) Explain three effects of rural- urban migration. **(3 marks)**
10. a) Name two methods of coffee processing in Brazil. **(2 marks)**
b) i) Give two reasons to explain why coffee processing in Rwanda is not so developed as that in Brazil. **(2 marks)**
ii). Give two measures which Rwanda needs to take in order to improve coffee processing. **(2 marks)**
11. Give two reasons to explain why road transport is more important than other forms of transport in Rwanda. **(2 marks)**

SECTION B: ATTEMPT ANY THREE QUESTIONS (45 marks)

11. a) Identity four tourist attractions found in Switzerland. **(4 marks)**
- b) Explain the factors which have favoured the development of the tourist industry in Switzerland. **(5 marks)**
- c) Discuss the major problems facing the tourist industry in Rwanda. **(6 marks)**
12. a) Distinguish between the following population terms:
- i) Growth rate and Infant mortality rate: **(2 marks)**
- ii) Fertility rate and birth rate. **(2 marks)**
- b) i) Define the term population density. **(1 mark)**
- ii) What are the problems caused by high population growth rate in the Rwanda? **(10 marks)**
13. a) Briefly state five functions of Kigali as a city. **(5 marks)**
- b) Explain factors which influenced the development of industries in Kigali city. **(10 marks)**
14. a) What do you understand by the term "commune system of farming"? **(3 marks)**
- b) Discuss economic importance of commune system in China. **(8 marks)**
- c) State two problems that face commune system of Agriculture in China. **(4 marks)**
15. a) Define the term mining. **(1 mark)**
- b) Mention two areas where mining takes place in Rwanda. **(2 marks)**
- c) State two methods of mining. **(2 marks)**
- d) Describe five problems that affect the development of the mining industry in Rwanda. **(10 marks)**

Geography II

005

19 Nov. 2012 2pm - 5pm

REPUBLIC OF RWANDA



RWANDA EDUCATION BOARD (REB)

ORDINARY LEVEL NATIONAL EXAMINATIONS 2012

SUBJECT: GEOGRAPHY

PAPER 2: ECONOMIC GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS:

This paper consists of **TWO** Sections, A and B.

Attempt **ALL** questions in section A.

(55 marks)

Attempt **THREE** questions in section B.

(45 marks)

SECTION A : Answer all questions (55 marks)

1. (a) State two characteristics of subsistence farming. **(2 marks)**
(b) Describe four advantages of large scale farming. **(4 marks)**
2. Give and explain two problems caused by the exploitation of swamps in Rwanda. **(2 marks)**
3. What two reasons explain why irrigation is not practiced on a large scale in Rwanda? **(2 marks)**
4. (a) Explain what you understand by zero grazing and show why it is important in a country like Rwanda.
(b) Give and explain two problems faced by dairy farmers. **(2 marks)**
(2 marks)
5. The Northern part of Rwanda is famous for attracting tourists.
(a) Name two tourist attractions found in this area.
(b) What threats do some tourist attractions face in Rwanda? **(2 marks)**
(2 marks)
6. (a) Explain the problems faced by the government of Rwanda in conserving forests.
(b) Describe 4 problems that affect the fishing industry in Rwanda. **(2 marks)**
(4 marks)
7. (a) What is a population census?
(b) Give two reasons to explain why Rwanda carried out a population census in August 2012. **(1 mark)**
(2 marks)
8. (a) Mention two countries through which the river Nile flows.
(b) Describe two important uses of river Nile to the countries mentioned in (a) above. **(2 marks)**
(2 marks)
9. Name two deserts found in Africa and explain how they affect the countries in which they are found. **(4 marks)**
10. What economic advantages do countries of East Africa that border the Indian Ocean have over landlocked countries such as Rwanda? **(2 marks)**
11. (a) What is the importance of transport and communication to Africa? **(4 marks)**
(b) What advantages does air transport have over road transport? **(3 marks)**

12. China is one of the most industrialized countries in the world.
(a) Give three factors that have favoured industrialization in China. (3 marks)
(b) Give 4 problems that have resulted from this industrialization. (3 marks)
13. (a) Give three reasons to explain why developing countries like Rwanda and Burundi export raw unprocessed goods such as coffee, tea, gold etc instead of manufactured goods. (3 marks)
14. Although USA is a great producer of crude oil, it still imports a lot of oil from other producers. Explain why it imports more fuel. (2 marks)

SECTION B: ANSWER ANY 3 QUESTIONS OF YOUR CHOICE (45 MARKS)

15. (a) Describe the major factors responsible for environmental degradation in Rwanda. (9 marks)
(b) What are some of the solutions to the problems mentioned in (a) above? (6 marks)
16. (a) Describe the causes for the low level of food production in Rwanda. (8 marks)
(b) How can food production be increased in Rwanda? (7 marks)
17. (a) Give and explain the effects of deforestation in any country you are familiar with. (10 marks)
(b) Explain the solutions to the problems of deforestation. (5 marks)
18. (a) What are the factors that favour mineral exploitation in any country? (9 marks)
(b) What is the importance of mining to the development of countries concerned? (6 marks)
19. (a) Explain how the cotton grown in Southern United States of America is used. (6 marks)
(b) Giving an example of California, give the factors that have favoured market gardening. (9 marks)
20. (a) Explain the causes of population growth in Africa. (10 marks)
(b) Give and explain 5 problems resulting from high population. (5 marks)

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Geography 1

004

19 Nov.2012 8.30am - 11.30am



RWANDA EDUCATION BOARD (REB)

ORDINARY LEVEL NATIONAL EXAMINATION 2012

SUBJECT: GEOGRAPHY

PAPER I : PHYSICAL GEOGRAPHY

DURATION : 3 HOURS

INSTRUCTIONS:

This paper consists of **THREE** Sections **A, B and C**.

- Answer **ALL** questions in section A. **(55 marks)**
- Answer **THREE** questions in section B. **(30 marks)**
- Answer **one** questions in section C. **(15 marks)**

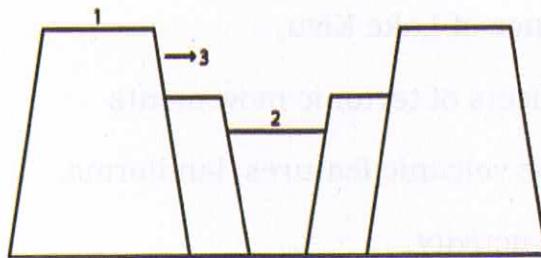
SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION (55 MARKS)

1. a) Differentiate between solar and lunar eclipses. (4 marks)
- b) Name the galaxy in which the earth is located. (1 mark)
2. What three consequences of the revolution of the earth? (3 marks)
3. a) Explain the causes of days and nights. (2 marks)
 b) In which months of the year are days and nights of equal length on the Earth? (2 marks)
4. a) At what latitude and longitude is Rwanda located? (3 marks)
 b) Explain why latitude and longitude are expressed in degrees. (1 mark)
5. Explain the causes of folding on the earth's surface. (3 marks)
6. a) Explain the origin of metamorphic rocks (2 marks)
 b) Explain the importance of sedimentary rocks. (3 marks)
7. There are different forms of relief in Rwanda.
 - a) Name 3 regions of Rwanda, which are dominated by mountains. (3 marks)
 - b) What are the highest and the lowest altitudes in Rwanda? (2 marks)
8. a) What do we call lines that join all points which receive the same precipitations on a map? (1 mark)
 b) What type of climate does northern Europe experience? (1 marks)
 c) What are the characteristics of cumulonimbus clouds? (2 marks)
9. There are many rivers and lakes that drain waters of Rwanda.
 - a) Name the largest river basins that drain the waters of Rwanda. (2 marks)
 - b) Mention the main river that drains waters of each basin. (2 marks)
 - c) Explain the meaning of a crater lake giving an example of such a lake in Rwanda. (2 marks)
10. Draw the following drainage patterns: centripetal, radial and dendritic. (3 marks)
11. The Earth has external and internal structures.

11. Draw a sketch of the internal structure of the earth, name its parts and give their dimensions.

(3 marks)

12. Examine the following diagram of fault and answer the questions that follow.



a). Name and explain different parts of the faults shown by the following numbers: 1, 2, and 3.

(3 marks)

b). Explain the different consequences of faulting on East African region.

(2 marks)

13. a) What is the natural border of the European continent in the east? (1 mark)
- b) Name two countries bordering the Netherlands. (2 marks)
- c) Name one lake of the American Great Lakes Region. (1 mark)
- d) What is the largest river that drains South America? (1 mark)

SECTION B: ANSWER ANY THREE QUESTIONS OF YOUR CHOICE (30 marks)

14. Atmospheric pressure varies from one region to another.

- a) Explain two factors of variation of atmospheric pressure? (4 marks)
- b) Explain what low atmospheric pressure means. (2 marks)
- c) How does the atmospheric pressure determine the movement of wind? (2 marks)
- d) Name two major regions of the world characterized by low atmospheric pressures. (2 marks)

15. The soil is the superficial part of the crust completely decomposed where plants are grown and which is subject to erosion:

- a) Name four parts that make up soil of soils. (2 marks)

- b) Explain four major causes of soil erosion in Rwanda. **(4 marks)**
- c) State four techniques used to preserve the soil in Rwanda. **(4 marks)**
16. Lake Kivu has great economic importance for Rwanda
- a) Explain the process of formation of Lake Kivu. **(2 marks)**
- b) Name four other lakes in Africa that were formed in the same way as Lake Kivu. **(2 marks)**
- c) Explain six economic importance of Lake Kivu. **(6 marks)**
17. Volcanic activity is one of the effects of tectonic movements
- a) Draw and name four extrusive volcanic features/landforms. **(4 marks)**
- b) Explain the origin of volcanic activity. **(2 marks)**
- c) Giving four examples, explain the importance of volcanism in Rwanda. **(4 marks)**
18. Earthquakes are some of the effects of tectonic movements
- a) Explain the main cause of earthquakes. **(2 marks)**
- b) Name the point on earth's surface where the first motion of earthquake occurs. **(1 mark)**
- c) Name four earthquake areas in the world. **(4 marks)**
- d) Give three major consequences of earthquakes? **(3 marks)**
19. Explain the distribution of rainfall and temperature in Rwanda. **(10 marks)**

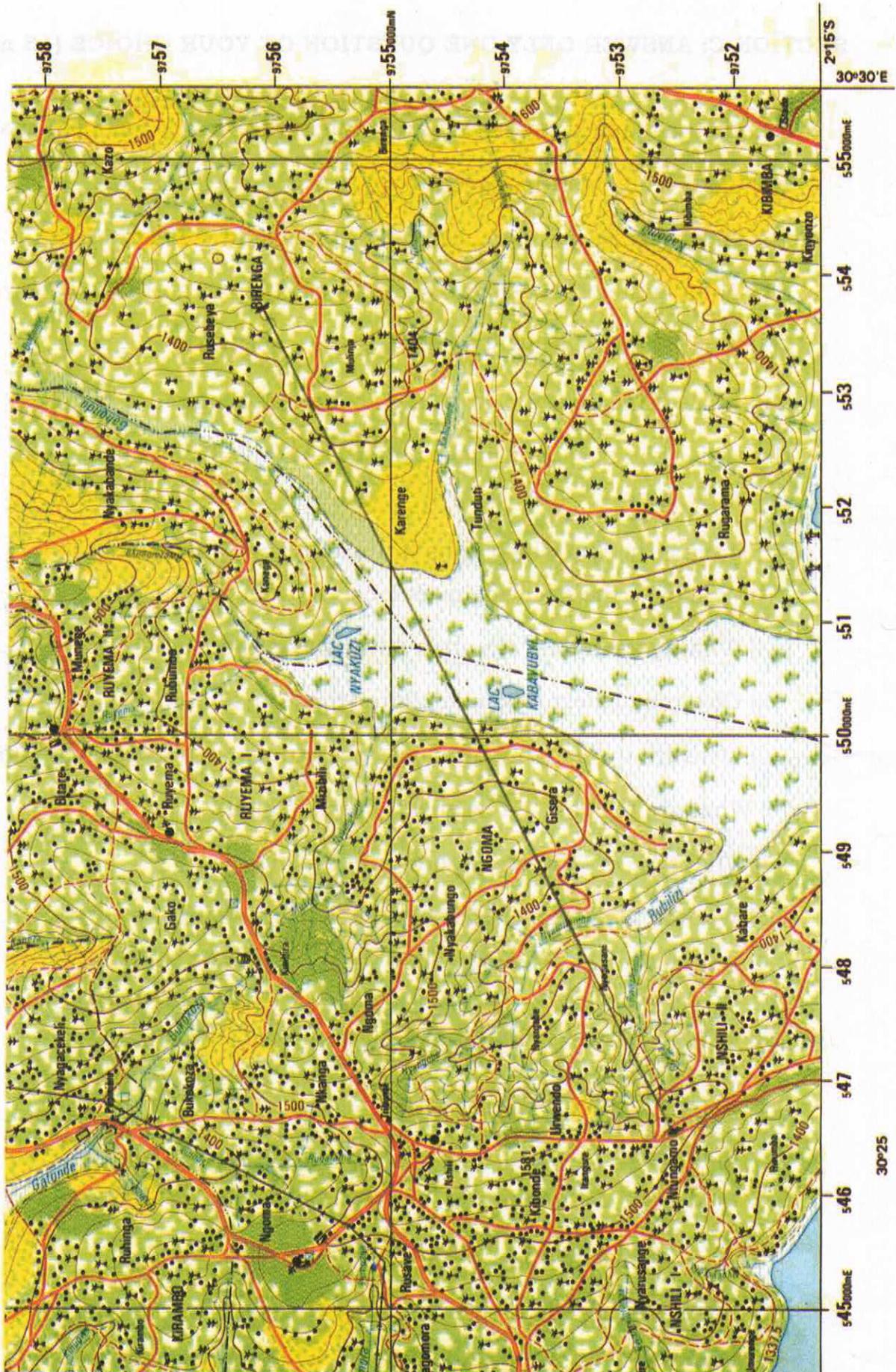
SECTION C: ANSWER ONLY ONE QUESTION OF YOUR CHOICE (15 marks)

20. Study the map extract of ZAZA and answer the following questions

- a) i) Identify the man-made feature at grid reference 462573. **(1 mark)**
ii) Give a six figure reference grid for the stadium of south-east. **(1 mark)**
iii) What is the reference grid for the school to the north near Bitare? **(1 mark)**
- b) i) What is the bearing of Ntungamo from north? **(1 mark)**
ii) What is the direction of Ntungamo from Birenga? **(1 mark)**
- c) Mention the type of drainage pattern which is dominant on the map. **(2 marks)**
- d) Examine the line which joins Ntungamo and Birenga on the map and answer the following questions:
i) What is the lowest elevation (altitude) on the line? **(1 mark)**
ii) Give the highest elevation (altitude) on the line. **(1 mark)**
iii) Measure the length of the line from Ntungamo to Birenga in km. **(2 marks)**
- e) i) What are the cash crops grown in the Region? **(1 mark)**
ii) What type of settlement pattern in the map? **(1 mark)**
iii) What is the natural vegetation shown on the map? **(2 marks)**

RWANDA 1:50,000

ZAZA



SCALE/ÉCHELLE 1:50,000

1 000 m 500 0 500 1 000 m
1 km 500 m 0 500 1 km

Main tarmac road
Route national asphaltée

Main murram road
Route national non asphaltée

Feeder road
Route communale

Track
Piste carrossable

Path
Sentier

Boulevard/road lined with trees
Route bordée d'arbres

Road under construction
Route en construction

Power/electric line
Ligne de transport d'énergie électrique

Bridge, footbridge
Pont en dur, pont en bois

Contours
Courbe de niveau

Contours, contour intervals, depression
Coube de niveau, intervalles, cuvette

Quarry, factory and/or industrial complex
Carrière, usine et/ou complexe industriel

Dense/nucleated settlement, sparse, scattered
Habitat concentré, dispersé, remarquable

Hospital, health centre, dispensary
Hôpital, centre de santé, dispensaire

Sectorial bureau, school, dipping tank
Bureau de secteur, école, dipping tank

Religious edifices: church, temple, mosque
Edifices religieux: église, temple, mosquée

Border post, market
Poste de douane, marché

International airport, aerodrome/air strip
Aéroport international, aérodrome

River
Rivière

Pond, marsh, a well
Etang, mare, puits

Lake, swamp
Lac, marais

Falls, dam
Chutes, barrage

Border pillar, radio booster station
Borne frontier, antenne relais de radio

Natural forest, plantation
Forêt naturelle, boisement

Savannah or pasture
Savane ou pâturage

Upland crops, valley crops
Cultures des collines

Rangeland, cash crop
Prairie, cultures industrielles

Papyrus
Papyrus

Bananas, sugar cane, coffee
Bananier, canne à sucre, café

Rice, tea, cotton
Riz, thé, coton

Quinine, pyrethrum, bamboo
Quinquina, pyrèthrum, bambou

Terraces
Terrasses

Rock, cliff
Rocher, abrupt

Trigonometrical pillar
Détail particulier

Mine 1 operational 2 derelict
Mine 1 en activité 2 arrêtée

1 2
x x

21. Study the photograph provided below and answer the questions that follow



- a) Identify four man-made features shown on the photo. **(4 marks)**
- b) State the crop grown in the foreground of the photo. **(2 marks)**
- c) Name two provinces in Rwanda where this photo might have been taken **(1 mark)**
- d) State three problems which the people of this region might be facing. **(3 marks)**
- e) What two techniques might be used to fight against erosion in the area? **(2 marks)**
- f) Describe the relief shown in the photo. **(3 marks)**

Geography I

004

04 Nov. 2011 13.30 pm – 16.30 am

REPUBLIC OF RWANDA



**RWANDA EDUCATION BOARD (REB)
P.O.BOX 3817 KIGALI. TEL/FAX: 586871**

ORDINARY LEVEL NATIONAL EXAMINATIONS 2011

SUBJECT: GEOGRAPHY

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

This paper consists of **three** sections **A, B** and **C**

Answer **ALL** questions in section A. **(55 marks)**

Answer **THREE** questions in section B. **(30 marks)**

Answer only **one** question in section C **(15 marks)**

SECTION A: Attempt all questions from this section. (55 marks)

1. a) Give the cause of unequal days and nights on earth. **(1 mark)**
b) Explain the unequal distribution of heat on earth. **(1 mark)**
2. What time will it be at a place 45° west of Kigali when it is 10:00 a.m in Kigali? **(2 marks)**
3. The solar system is formed by different types of celestial bodies.
a) Give three distinctive features of the earth compared to other planets of the solar system. **(3 marks)**
b) What shows that the earth is not a perfect sphere? **(1 mark)**
4. a) Give the definition of altitude. **(1 mark)**
b) Name the lines joining points of the same height. **(1 mark)**
c) Give 4 advantages of the relief of Rwanda to its population. **(2 marks)**
5. a) Name the different types of rain according to their origin? **(3 marks)**
b) Give the form of precipitation that falls mostly in winter in temperate zones. **(1 mark)**
c) Explain the presence of the Kalahari Desert. **(1 mark)**
d) Name the winds that blow from the tropics to the equator. **(1 mark)**
6. Rocks can be classified into three basic categories: sedimentary, volcanic and metamorphic rocks.
a) Fill in the table below indicating the category to which each of the following rocks belong: gneiss, basalt, coal, limestone. **(4 marks)**

Volcanic rocks	Sedimentary rocks	Metamorphic rocks

b) Give 2 aspects that explain the importance of sedimentary rocks. **(2 marks)**
7. a) Give the definition of a fault and illustrate your answer with a sketch. **(2 marks)**
b) Name the recessed portion and the raised part of a fault. **(1 mark)**
c) Give 2 geographic phenomena that appear in the regions of faulting. **(2 marks)**
d) Name the two major faults found in East Africa. **(2 marks)**
8. a) Name the topographic (physiographic) regions that form the relief of Rwanda. **(5 marks)**
b) Give reasons for the formation of the relief regions mentioned in (a) above. **(2 marks)**
9. a) Give the various agents of erosion. **(2 marks)**
b) Give the area where each of these agents are most active in Rwanda.

(2 marks)

10. Give 5 factors that influence the variation of temperature of a given area. **(5 marks)**

11. a) The volcanic zone of Rwanda receives heavy rainfall, yet it has no rivers, explain. **(2 marks)**
b) Give the source of Mukungwa river. **(1 mark)**
c) Name the region of Rwanda which receives the lowest rainfall and explain how the population of this region can solve the problem of insufficient rainfall. **(2 marks)**

12. a) Name two lava dammed lakes in Rwanda and describe how they were formed. **(2 marks)**
b) Name the sea that separates Africa from Europe. **(1 mark)**

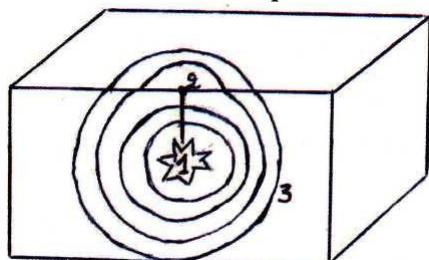
SECTION B: Attempt any THREE questions only. (30 marks)

13. a) Explain what you understand by the term humidity and name the instrument used to measure it. **(2 marks)**
b) What climatic factor determines the seasons in the temperate Zone? **(2 marks)**
c) What are the elements of climate that determine the various climatic regions? **(2 marks)**
d) Explain why rainfall is abundant in the equatorial zone. **(2 marks)**
e) Mention the wettest regions in the temperate zone and explain why they receive much rainfall. **(2 marks)**

14. a) Name 3 districts in Rwanda that have volcanic soils. **(3 marks)**
b) Give and explain the different techniques used to protect the soil in Rwanda. **(7 marks)**

15. a) Give 4 uses of vegetation. **(4 marks)**
b) Explain the factors that most influences the vegetation of a region. **(2 marks)**
c) Give the climatic zone in which each of the following types of vegetation is found: savanna, taiga, tundra and maquis. **(4 marks)**

16. Consider this earthquake sketch and answer the following questions:



- a) Name the points shown by 1, 2 and the lines shown by 3. **(3 marks)**
b) Name the instrument used to measure earthquake. **(1 mark)**
c) What is the role of the Richter scale? **(2 marks)**

- d) How can people protect themselves against effects of an Earthquake in progress? **(2 marks)**
- e) Give the African region most subjected to earthquakes and give reasons for this phenomenon. **(2 marks)**
17. a) Name the place through which a river enters the sea. **(1 mark)**
 b) Name the part of river located towards the source. **(1 mark)**
 c) In which basin is Rwanda included? **(2 marks)**
 d) Give an African river that enters the sea and forms: **(2 marks)**
 i) a delta
 ii) an estuary
 e) Explain the importance of rivers. **(4 marks)**

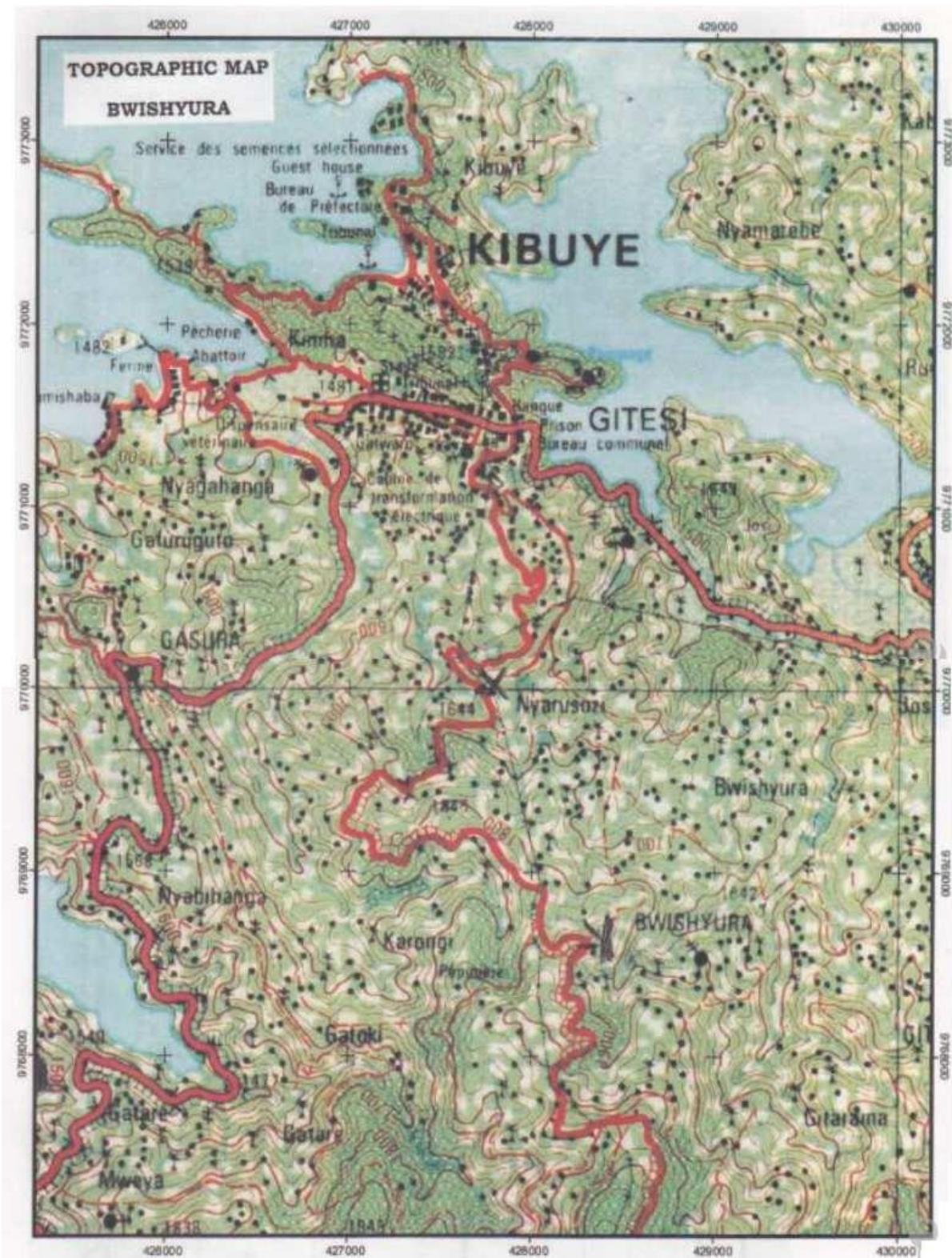
18. Examine the sketch map of United States of America below and answer the questions that follow.



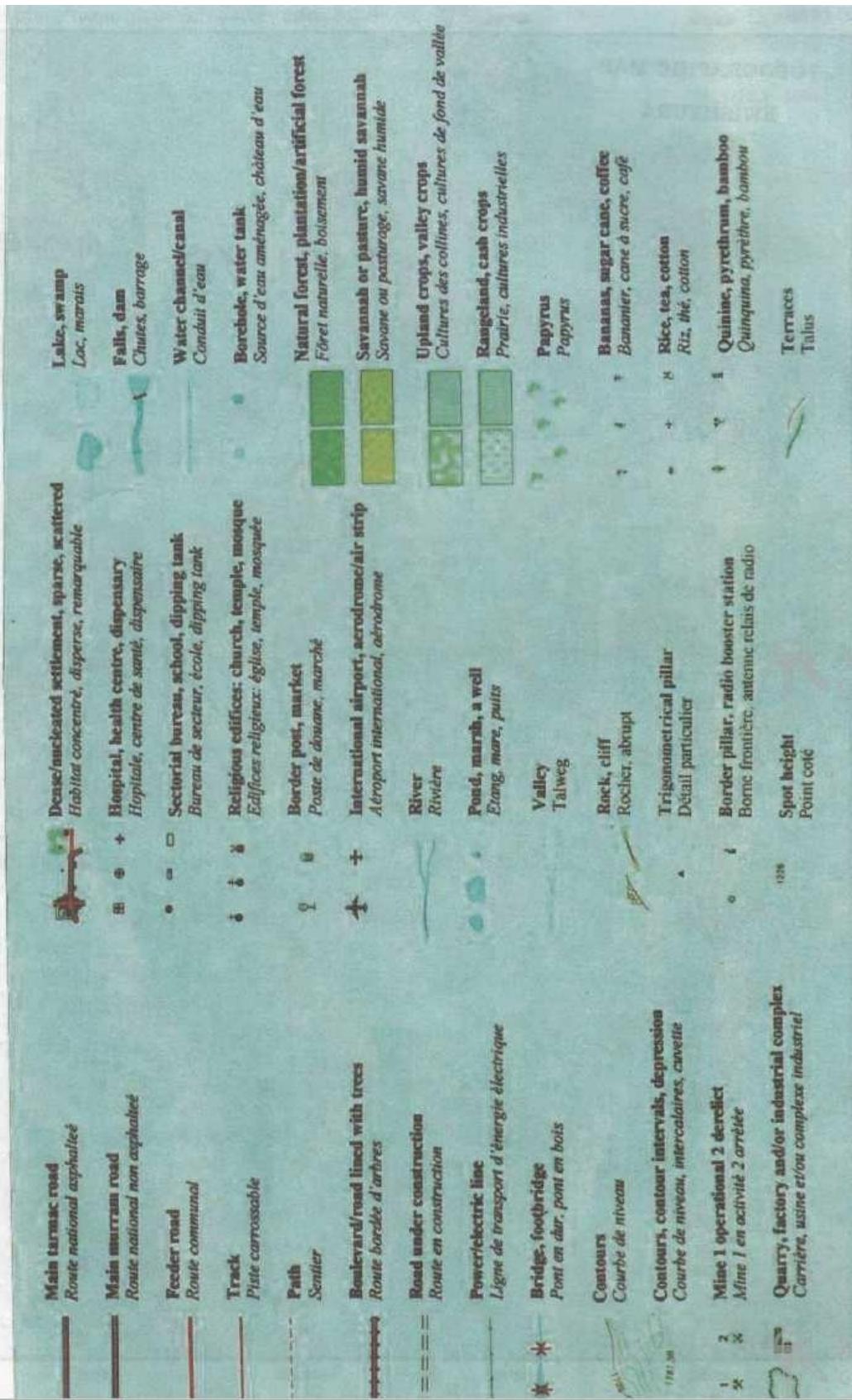
- a) Name the forms of relief shown by numbers 1, 2, 3 and give the economic importance of each form of relief. **(3 marks)**
 b) What is the river that drains this relief? **(1 mark)**
 c) Name countries bordering USA to the north and to the south. **(2 marks)**
 d) Name the lakes shown by number 4, 5 and 6. **(3 marks)**
 e) Give the location of Niagara Falls. **(1 mark)**

SECTION C: Attempt only ONE question. (15 marks)

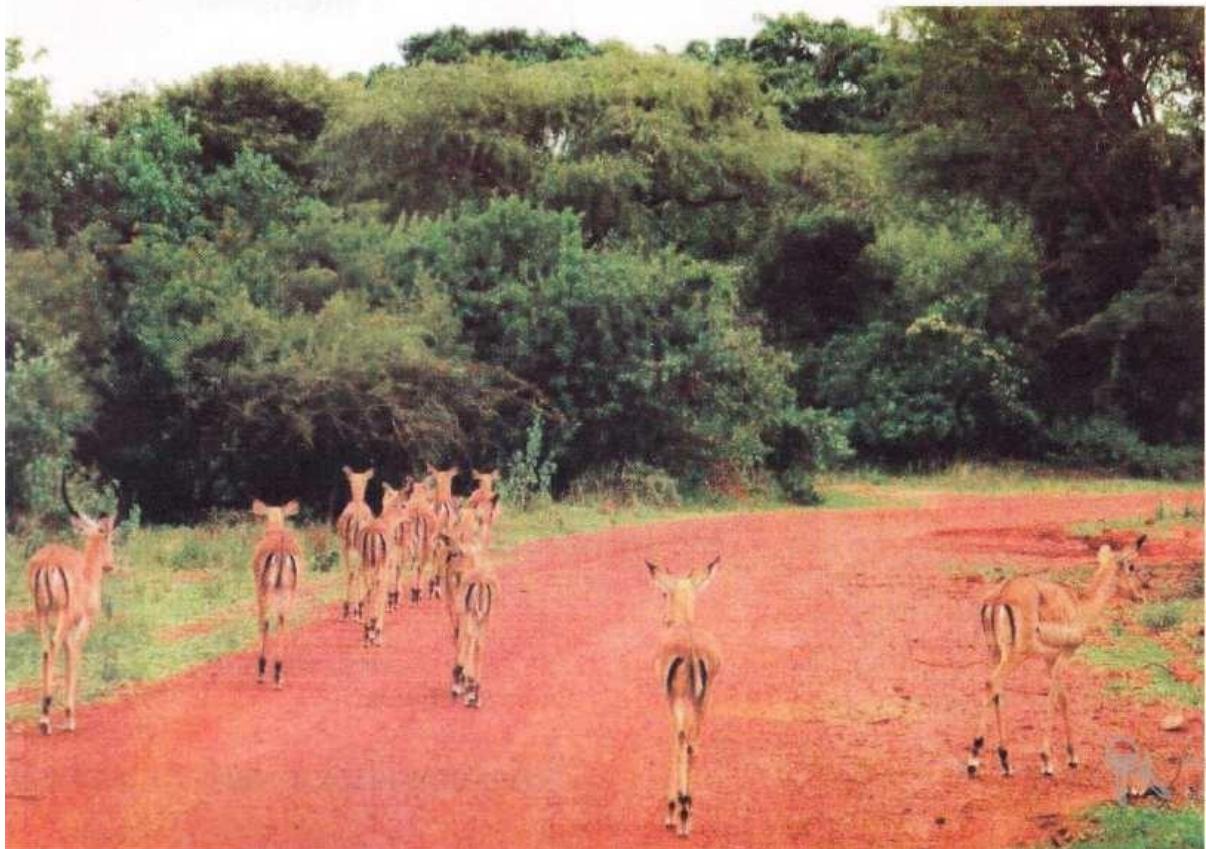
19. Study the Topographic map extract of Bwishiura provided and answer the questions that follow;
- a. i) Name the current district of this area shown in the map. **(1 mark)**
 ii) Give the name of the lake visible on the map. **(1 mark)**
- b. i) Calculate the area of the water body located in south-western part of the map. **(2 marks)**
 ii) Calculate the distance in km along the main road between points X and Y. **(2 marks)**
- c. i) Name the part of the map which has the highest altitude and give its height. **(2 marks)**
 ii) What is the vertical interval between the contour lines? **(2 marks)**



SCALE 1:25,000



20. Study the photograph provided and answer the questions that follow:
(15 marks)



- a) Identify the economic activities likely to be taking place in the area covered by the photo. **(3 marks)**
- b) Name the animals shown in the photo. **(1 mark)**
- c) Name any 2 districts in Rwanda where this photo might have been taken and explain why you have selected them. **(3 marks)**
- d) What kind of problems are the animals shown in the photo likely to face? **(3 marks)**
- e) Name the man-made feature shown in the photo. **(1 mark)**
- f) Give three problems that people living near this region are likely to face.
- g) Name the type of vegetation that the animals shown in the photo survive in most. **(3 marks)**

MARKING GUIDE OF OL PHYSICAL GEOGRAPHY NATIONAL EXAMINATION 2011

Section A: Answer all questions

1. a) The causes of unequal days and nights on Earth is the revolution of the Earth.
b) The unequal distribution of heat on the Earth is caused by latitudinal location of a place.
2. If it is 10.00 am in Kigali, the time of a place 45° West of Kigali will be:
Time difference: $30^{\circ} + 45^{\circ} = 75^{\circ}$
$$\frac{75}{15} = 5 \text{ hours}, 10 \text{ hrs} - 5 \text{ hrs} = 5 \text{ hrs (5.00 am)}$$
$$\Rightarrow 1^{\circ} = 4 \text{ minutes} \Rightarrow 45^{\circ} = 4 \times 45^{\circ} = 180 \text{ minutes} = 3 \text{ hrs}$$
$$10.00 \text{ am} - 3.00 = 7.00 \text{ am}$$
3. a) Distinctive features of the Earth compared to other planets of the solar system are:
 - The Earth is the only planet in the solar system on which there is life (biosphere).
 - The presence of the atmosphere that contains gases necessary for the existence of living creatures.
 - The presence of land that is crucial for crops and livestock (lithosphere).
 - The ideal position of the sun allows water to exist on Earth in liquid and gaseous states (hydrosphere).
 - The Earth is neither too hot nor too cold.
 - The Earth has only one satellite.
 - The Earth takes a year to revolve around the sun.
 - The Earth is the 3rd planet from the sun.
- b) The diameter of the Earth at the equator is 12,756 km while the diameter of the Earth at the poles is 12,612 km. This shows that the Earth is not a perfect sphere.
The Earth is wider at the equator and slightly flattened at the poles. The shape of the Earth is like an egg.
4. a) Altitude refers to the height of the land above sea level.
b) Contours or hypsometric lines.
c) Advantages of the relief of Rwanda to its population and livestock are:
 - Reliefs multiplies bioclimatic diversity by agriculture and livestock.
 - Reliefs promotes tourism as it provides nice landscapes.

GEOGRAPHY I

008

05th Nov. 2010 08.30 – 11.30 am

RWANDA NATIONAL EXAMINATIONS COUNCIL



P.O BOX 3817 KIGALI-TEL/FAX : 586871

ORDINARY LEVEL NATIONAL EXAMINATIONS 2010

SUBJECT: GEOGRAPHY I

PAPER I: PHYSICAL GEOGRAPHY

DURATION: 3 HOURS

INSTRUCTIONS:

This paper consists of **three** sections **A, B and C**

Section A: Answer **ALL** questions. **(55 marks)**

Section B: Answer **THREE** questions. **(30 marks)**

Section C: Answer **only one** question in the choice. **(15 marks)**

SECTION A: ANSWER ALL QUESTIONS

(55 MARKS)

1. A drainage pattern refers to a layout made by a river and its tributaries. Mention two types of drainage patterns. **(2 marks)**
 2. There are several types of volcanoes which are differentiated by their eruptions. Give two types of volcanoes. **(2 marks)**
 3. A rock is an aggregate of minerals in the solid state. Describe two different types of rocks. **(3 marks)**
 4. Draw a sketch map of Rwanda and on it, mark and name:
i) Volcano Muhabura
ii) River Nyabarongo
iii) Hydro-electric power generation station: Mukungwa
iv) Lake Muhazi **(4 marks)**
 5. Describe three effects of mining on the physical environment in Rwanda. **(3 marks)**
 6. Natural forests in Rwanda are disappearing at an alarming rate.
a) Name two areas of natural forests in Rwanda. **(2 marks)**
b) Identify two causes of forest deterioration in Rwanda. **(2 marks)**
 7. The Earth is a planet essentially formed by three parts both internal and external. Identify three constituents of the Earth. **(3 marks)**
 8. a) What causes day and night of the earth? **(1 mark)**
b) In which month of the year is the sun overhead at the Tropic of Capricorn? **(1 mark)**
 9. a) What unit is used in measuring atmospheric pressure? **(1 mark)**
b) What name is given to lines drawn on a map joining areas of equal pressure? **(1 mark)**
 10. Identify 2 natural hazards which devastated the great lakes region recently. **(1 mark)**
 11. Place the following eight river features into the correct column, by deposition or the mixture of the two:
a) Ox – bow lakes b) Levee c) Waterfall e) Delta f) Gorge of recession
g) Flood plain h) U – Shaped valley

Erosion features	Deposition features	Formed by both erosion and deposition

12. a) Name one country covered by an equatorial rainforest in:

- i) South America **(1 mark)**
 ii) Africa **(1 mark)**
 b) What type of vegetation covers the largest area of East Africa? **(1 mark)**

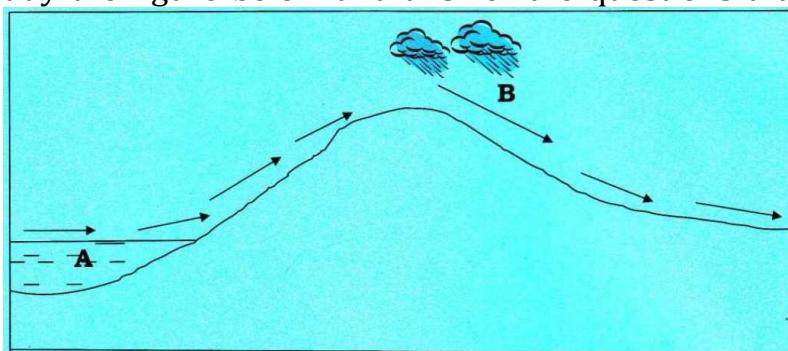
13. Africa has several river basins.

- a) Name two main river basins found in Western Africa. **(2 marks)**
 b) In which river basin is Sudan situated? **(1 mark)**

14. Agro forestry is recommended as an agricultural method to be used for maintaining soil fertility.

- a) Identify two advantages for agro forestry. **(2 marks)**
 b) Give two names of trees utilized in Rwanda for Agro forestry. **(2 marks)**

15. Study the figure below and answer the questions that follow:



- a) Describe the type of precipitation as indicated in the figure above. **(3 marks)**
 b) Explain the phenomenon occurred in A before reaching level B. **(2 marks)**

16. Rainfall distribution in Africa is due to different factors.

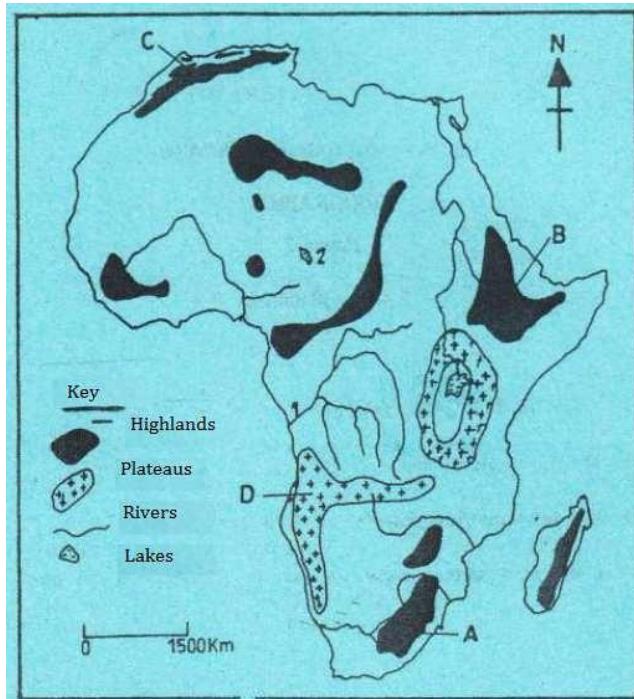
- a) Give one factor which has the greatest effect on rainfall distribution in Africa. **(1 mark)**
 b) Identify two causes of Savannah climate. **(2 marks)**
 c) Give the climate zone in Africa where the highest rainfall is found. **(1 mark)**

17. a) Identify two largest lakes found in the Great Lakes of Africa. **(2 marks)**

- b) Explain the mode of formation for the lakes identified in (a) above. **(2 marks)**
 c) In which district of Rwanda are volcanic lakes found? **(1 mark)**

Section B: Answer only THREE questions (30 marks)

18. Study the map of Africa provided below and answer the questions that follow:

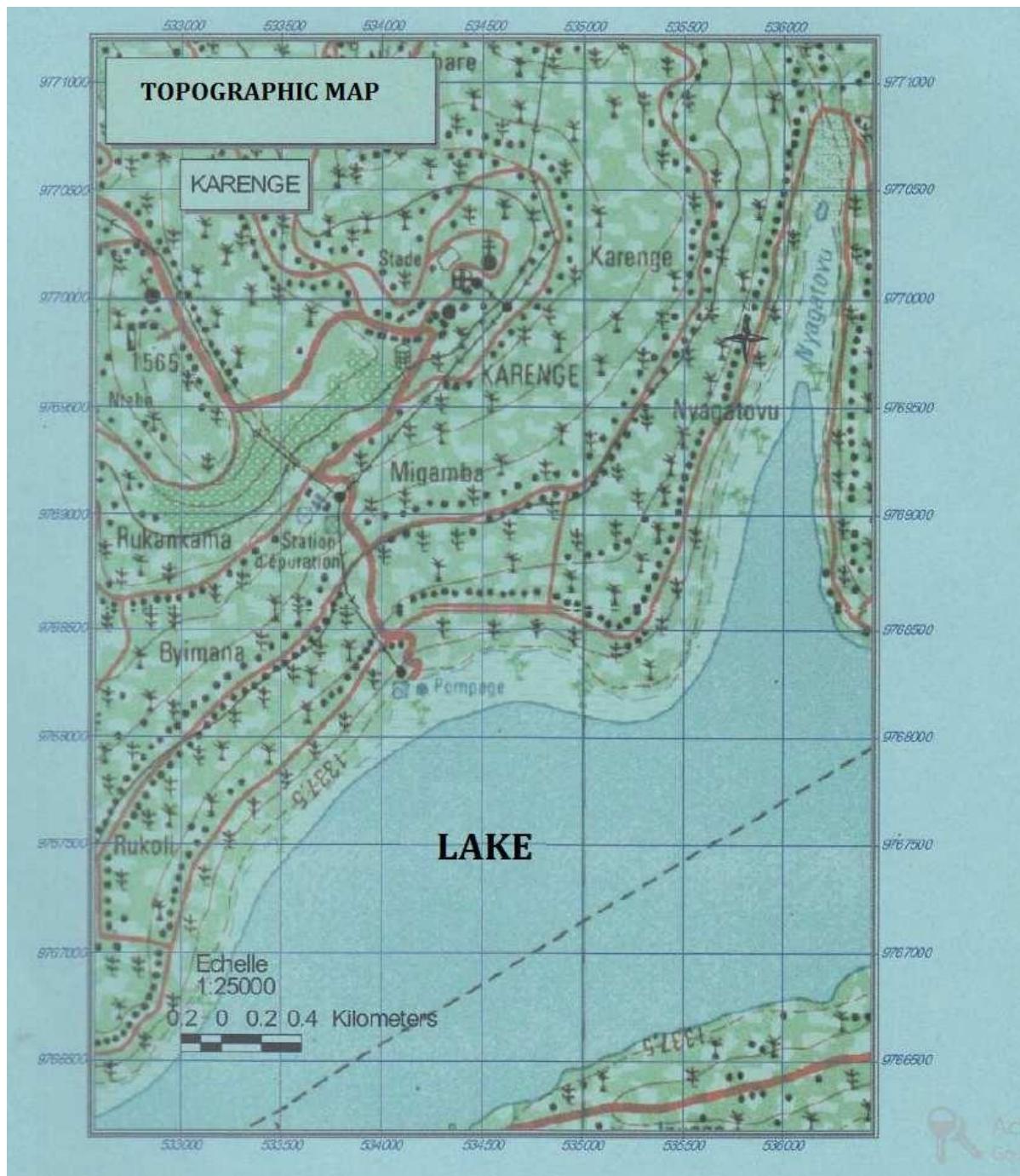


- a) Name the highlands marked:
- (i) A, (ii) B, (iii) C. (3 marks)
- b) (i) Name the plateau marked D. (1 mark)
- (ii) Name the river marked 1. (1 mark)
 - (iii) Name the lake marked 2. (1 mark)
- c) Explain the importance of highland areas of Africa. (4 marks)
19. Nowadays, atmospheric pollution in most big cities is considered as a serious hazard to the population.
- a) State two sources of atmospheric pollution in the big cities. (2 marks)
 - b) Give one effect of air pollution to the population. (1 mark)
 - c) Describe one measure that the population living in the big cities have devised to fight against air pollution. (1 mark)
 - d) (i) Describe two factors which have led to the growth of Kigali as a city. (2 marks)
 - (ii) Explain the effects of rapid urbanization in Rwanda. (4 marks)
20. a) Describe the importance of swamp reclamation and exploitation to society. (5 marks)
- b) Explain why swamps should be conserved instead of reclaiming them for unguided agricultural use. (5 marks)
21. a) Explain three factors which motivate people to use water transport. (5 marks)
- b) Describe the importance of conserving water. (5 marks)

22. a) Mention three agents of erosion in Rwanda.
b) Explain the role of human beings in soil degrading.
c) Give 3 methods used in soil conservation in Rwanda.
d) What is the importance of conserving soil?

Section C: Answer only ONE question. (15 marks)

23. Study the topographic map of KARENGE and answer the questions that follow:
- (a) State:
(i) The name of the lake shown on the map. **(1 mark)**
(ii) Three economic activities done in that region. **(3 marks)**
- (b) Calculate:
(i) The area in km^2 covered by the lake shown on the map. **(3 marks)**
(ii) The distance in km of the dashed line which crosses the lake. **(3 marks)**
- (c) Show three problems faced by the population surrounding the lake. **(3 marks)**
- (d) Explain the importance of the water treatment plant situated in this area? **(2 marks)**

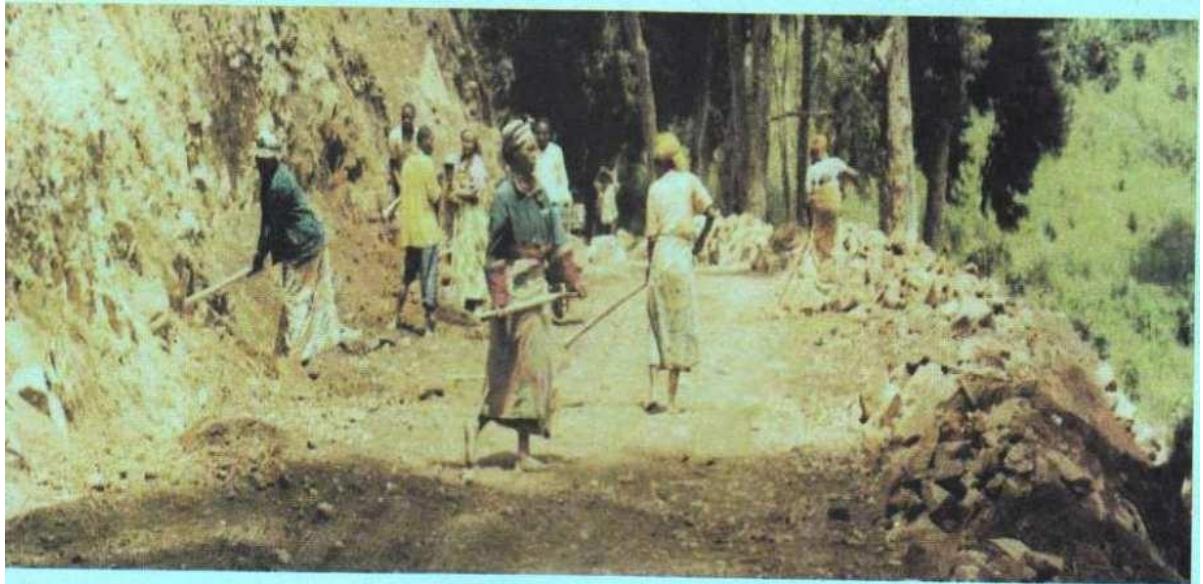


SCALE/ECHELLE 1:50,000

1000 500 0 500 1000

	Main tarmac road		Route national asphaltée
	Main murrum road		Route national non asphaltée
	Feeder road		Road under construction
	Route communal		Trek
	Piste carrossable		Path
	Semi-river		Border post, market
	Boulevard/road lined with trees		International airport, aerodrome/air strip
	Route bordée d'arbres		Aéroport international, aérodrome
	Power/electric line		River
	Bridge, footbridge		Rivière
	Contours		Pond, marsh, a well
	Cours de niveau		Etang, mare, puits
	Contours, contour intervals, depression		Lake, swamp
	Côte de niveau, intercalaires, cuvette		Falls, dam
	Quarry, factory and/or industrial complex		Chutes, barrage
	Carrière, usine et/ou complexe industriel		Border pillar, radio booster station
	Mine 1 operational		Rock, cliff
	Mine 1 derelict		Rocher, abrupt
	Mine 1 en activité 2 arrêtée		Trigonometrical pillar
	Détail particulier		
			Mine 1 operational 2 derelict
			Mine 1 en activité 2 arrêtée

24. Study the **photo 2/2010** below and answer the questions that follow:



- (a) Identify the activity which is being done on the photo. **(2 marks)**
- (b) Identify:
- (i) The advantages of the activity in (a) stated above for the population living in this area. **(3 marks)**
 - (ii) The problems faced by the population which is doing the activity in (a) stated above. **(2 marks)**
- (c) (i) Describe the effect of the activity in (a) stated above on the environment. **(3 marks)**
- (ii) Which measures which could be taken to protect the environment in the area where this activity is taking place? **(3 marks)**
- (d) Basing on the reasons of your answer, suggest a place in Rwanda where this photo could have been taken. **(2 marks)**

RWANDA NATIONAL EXAMINATIONS COUNCIL

Geography II

009

05 Nov. 2010 14h - 17h



B.P. 3817 KIGALI-TEL/FAX : 586871

ORDINARY LEVEL NATIONAL EXAMINATION 2010

SUBJECT: GEOGRAPHY

PAPER 2: (ECONOMIC GEOGRAPHY)

TIME ALLOWED : 3 HOURS

INSTRUCTIONS:

This paper consists of **TWO** Sections, A and B.

Answer **ALL** questions in section A.

(60 marks)

Answer **FOUR** questions in section B.

(40 marks)

SECTION A: Attempt all questions (60 marks)

1. (a) Why is the dry port of Isaka important to Rwanda? (2 marks)
Give **two** commodities handled by the dry port of ISAKA. (2 marks)
2. (a) What is land consolidation? (1 mark)
(b) Identify **one** factor which has hindered land use consolidation in Rwanda. (2 marks)
3. (a) Name **two** countries apart from Rwanda which are members of COMESA. (2 marks)
(b) State **two** advantages enjoyed by the member countries of COMESA as a result of its establishment. (2 marks)
4. (a) What is the importance of Rwanda's national parks to:
(i) the country's economy (2 marks)
(ii) the population living near the parks (2 marks)
(iii) the tourists who visit them (2 marks)
(b) (i) Name **one** tourist attraction in Rwanda other than in the National Parks. (1 mark)
(ii) What measures has been taken to improve the tourist industry in Rwanda from 2000 to 2010? (1 mark)
5. (a) Explain **two** factors which have favoured population increase in Rwanda. (2 marks)
(b) Identify the:
(i) Problems of overpopulation in a country like Rwanda. (2 marks)
(ii) Steps being taken to solve problems of overpopulation. (2 marks)
6. (a) Name **one** main tea factory located in Western Province of Rwanda. (1 mark)
(b) Name two non- agricultural industries that are found in the Western Province of Rwanda. (2 marks)
(c) Why is Rwanda called a predominantly agricultural country? (1 mark)
7. Fishing is an important industry to the East African countries.
(a) Give the greatest problem facing the fishing industry in East Africa. (1 mark)
(b) Identify two methods used in onshore fishing in East Africa. (2 marks)
8. Give three factors that have favoured the development of New York as a port? (3 marks)

9. Study the map of the Great Lakes Region of America below and answer the question that follow:

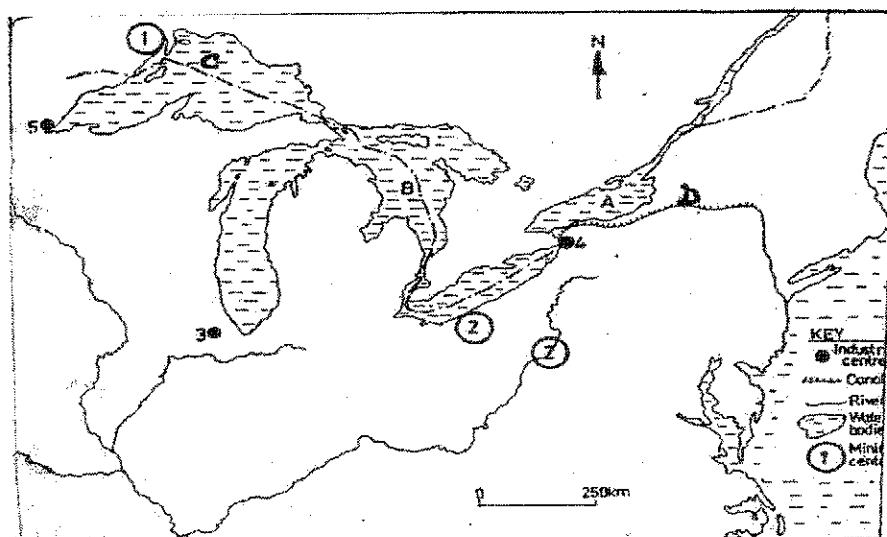


Fig. 1

- (a) Name the: (2 marks)
- (i) minerals obtained from areas marked **1** and **2**, (2 marks)
 - (ii) iron and steel industrial centres marked **3**, **4** and **5**. (3 marks)
- (b) Describe the factors that have led to the development of iron and steel industries in the Great Region of America. (2 marks)
- (c) Explain the problems resulting from the concentration of industries in the Great Lakes Region of North America (3 marks)

10. The Silicon Valley in California is an area with a rapid economic growth. Identify **three** reasons that have led to the success of agriculture in that valley. (3 marks)

11. Figure 2 below is a map of the China population density. Study it, and answer the questions that follow:

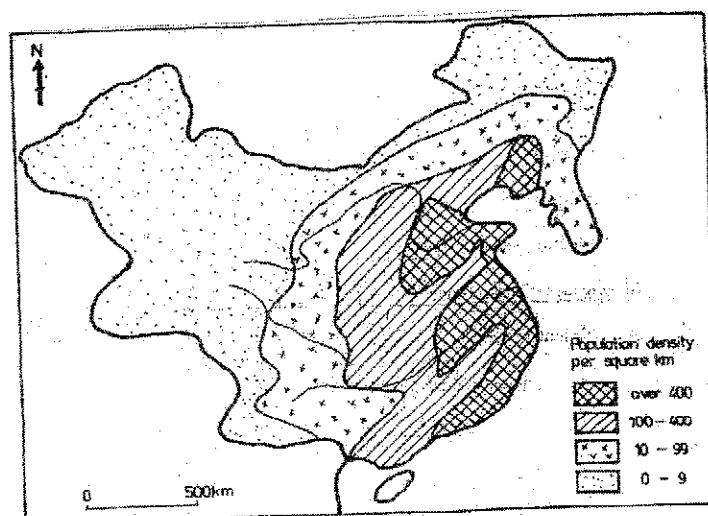


Fig. 2

- (a) What factors have influenced the population distribution shown in figure 2 above. **(3 marks)**
(b) Why is a large population sometimes very important? **(2 marks)**
(c) Give **two** disadvantages of high population density in China. **(2marks)**
12. Air transport plays a key role in the economies of many countries.
(a) Identify **three** advantages of air transport over other forms of transport. **(3 marks)**
(b) What are the disadvantages of air transport? **(2 marks)**
- SECTION B: Answer any three questions. (40 marks)**
13. Ecotourism in Rwanda is primarily focused on the flora and fauna found in its protected areas. Give and explain the factors of ecotourism development in Rwanda. **(10 marks)**
14. Coffee and tea are considered as industrial crops for the economic development of Rwanda.
a) Describe the factors which have favoured the growing of coffee and tea in Rwanda. **(4 marks)**
(b) Explain the benefits of either coffee or tea to the people of Rwanda. **(3 marks)**
c) Outline the problems faced by farmers who grow the crop chosen in (b) above. **(3 marks)**
15. a) Describe **three** factors which favour the development of irrigation schemes in Africa. **(3 marks)**
b) Name **one** irrigation scheme you are familiar with in Africa. **(1 mark)**
c) Explain the benefits of the scheme mentioned in (b) above to the people living in nearby areas. **(3 marks)**
d) Outline the problems faced by people living on the irrigation scheme in (b) above. **(3 marks)**
16. The River Rhine is located in Europe.
(a) Name **three** countries through which River Rhine flows. **(3 marks)**
(b) Name the country in which the Ruhr industrial complex is located. **(1 mark)**
(c) What benefits has the Rhine waterway brought to the Rhine lands? **(3 marks)**

17. The USA is known to be the most industrialized country in the World.

a) Give **three** reasons for the industrial development in USA.

(3 marks)

b) Identify **four** main industrial regions in the USA.

(4 marks)

c) Name **three** car industries in the USA.

(3 marks)

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Geography III

074

08 Nov. 2006

14.00 p.m-17.00 p.m

RWANDA NATIONAL EXAMINATIONS COUNCIL



P.O.BOX 3817 KIGALI-TEL/FAX : 586871

ORDINARY LEVEL NATIONAL EXAMINATION 2006

SUBJECT : GEOGRAPHY III

DURATION : 3 HOURS

INSTRUCTIONS :

There are three sections in this paper : A, B and C.

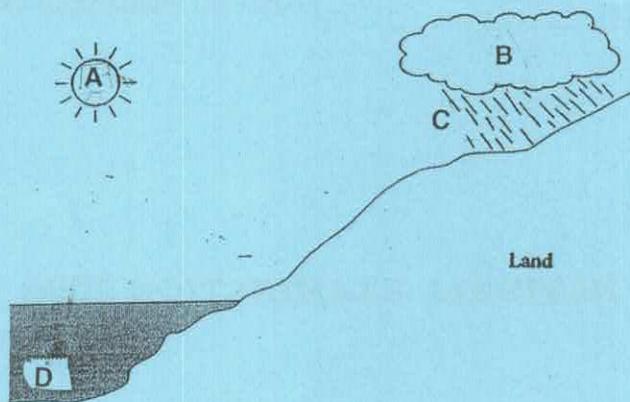
Candidates must attempt **all** questions in section A,

Any **three** questions in section B and **either** the questions on map reading **or** photographic interpretation in section C.

SECTION A: 55 MARKS

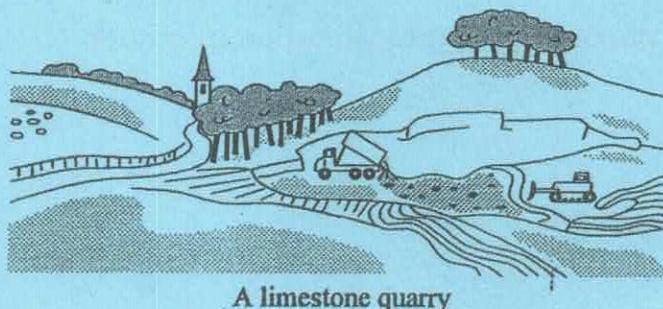
*Answer **all** questions in this section.*

1. The diagram shows part of the water cycle.

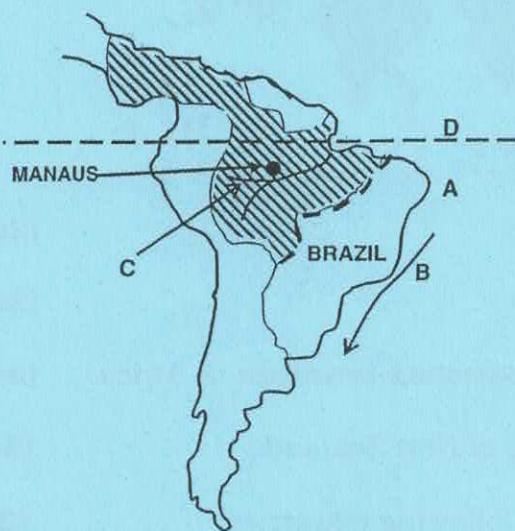


Name **A**, **B**, **C** and **D**. **(4marks)**

2. Name any three African countries through which the eastern branch of the Great Rift Valley passes. **(3marks)**
3. Name any two deserts found in Australia. **(2marks)**
4. List two features resulting from extrusive volcanic activity. **(2marks)**
5. Name any two tributaries of the Nile that start from Ethiopian Highlands. **(2marks)**
6. Draw a cross section of a soil profile showing *soil*, *subsoil* and *parent rock*. **(3marks)**
7. Cement is an important mineral. A cement works is usually situated near a limestone quarry.

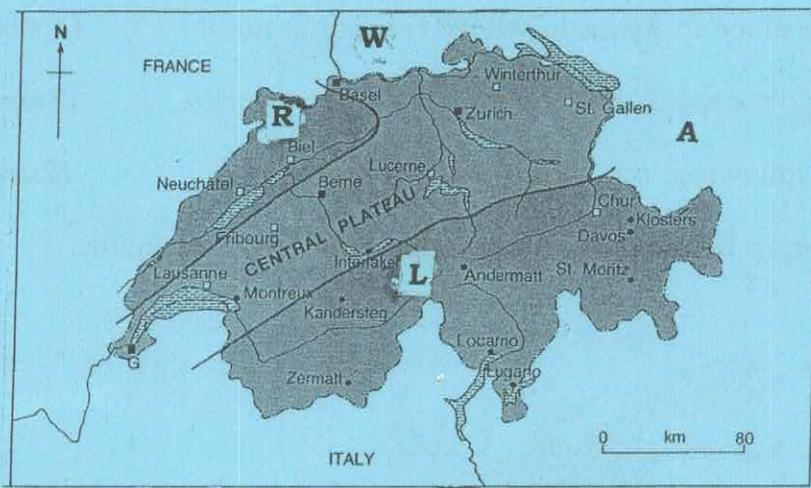


- (a) What is the major use of cement? **(1mark)**
- (b) Name one place in Rwanda where cement is made. **(1 mark)**
- (c) Give two advantages of living near a cement works. **(2marks)**
8. Define the following: (a) *isotherm* (b) *isohyet* **(2marks)**
9. Study the map below and answer the questions that follow.



- (a) Name ocean **A** and ocean current **B**. **(2marks)**
- (b) What is the name given to river **C**? **(1mark)**
- (c) Give the local name of the vegetation of the shaded. **(1mark)**
- (d) Name the latitude marked **D**. **(1mark)**
10. Name two major sisal growing countries in East Africa. **(2marks)**
11. Name any three of the Great Lakes of the USA. **(3marks)**
12. Agriculture in China is concentrated along the river valleys of two rivers. Name them. **(2marks)**

13. Study the map of Switzerland below and answer the questions.



- (a) Name countries **A** and **W**. **(2marks)**
- (b) Name plateaus **R** and **L**. **(2marks)**
14. Name any three major fish exporting countries in Africa. **(3marks)**
15. Name the three main islands of New Zealand. **(3marks)**
16. Give the capital cities of the following countries: **(3marks)**
- (a) Canada (b) Iraq (c) Morocco
17. Name any two oil producing countries in Africa. **(2marks)**
18. In which months of the year is the sun overhead at the Equator? **(2marks)**
19. State any four methods of collecting *fieldwork* data. **(4marks)**

SECTION B: 30 MARKS

*Answer any **three** questions from this section.*

20. Explain the factors influencing vegetation. **(10marks)**
- 21.(a) Identify any three plantation crops. **(3marks)**
- (b) What are the advantages of plantation farming ? **(7marks)**

22. (a) Identify the chief mineral mined in the Ruhr region. **(1mark)**
(b) Give three industries found in the Ruhr region. **(3marks)**
- (c) Describe the problems facing Ruhr Industrial region. **(6marks)**
23. Describe the advantages of lakes to man. **(10marks)**
24. Give the advantages and disadvantages of road transport in Rwanda. **(10marks)**
25. Explain the problems facing cattle keepers in the Eastern Province of Rwanda. **(10marks)**

SECTION C: (15MARKS)

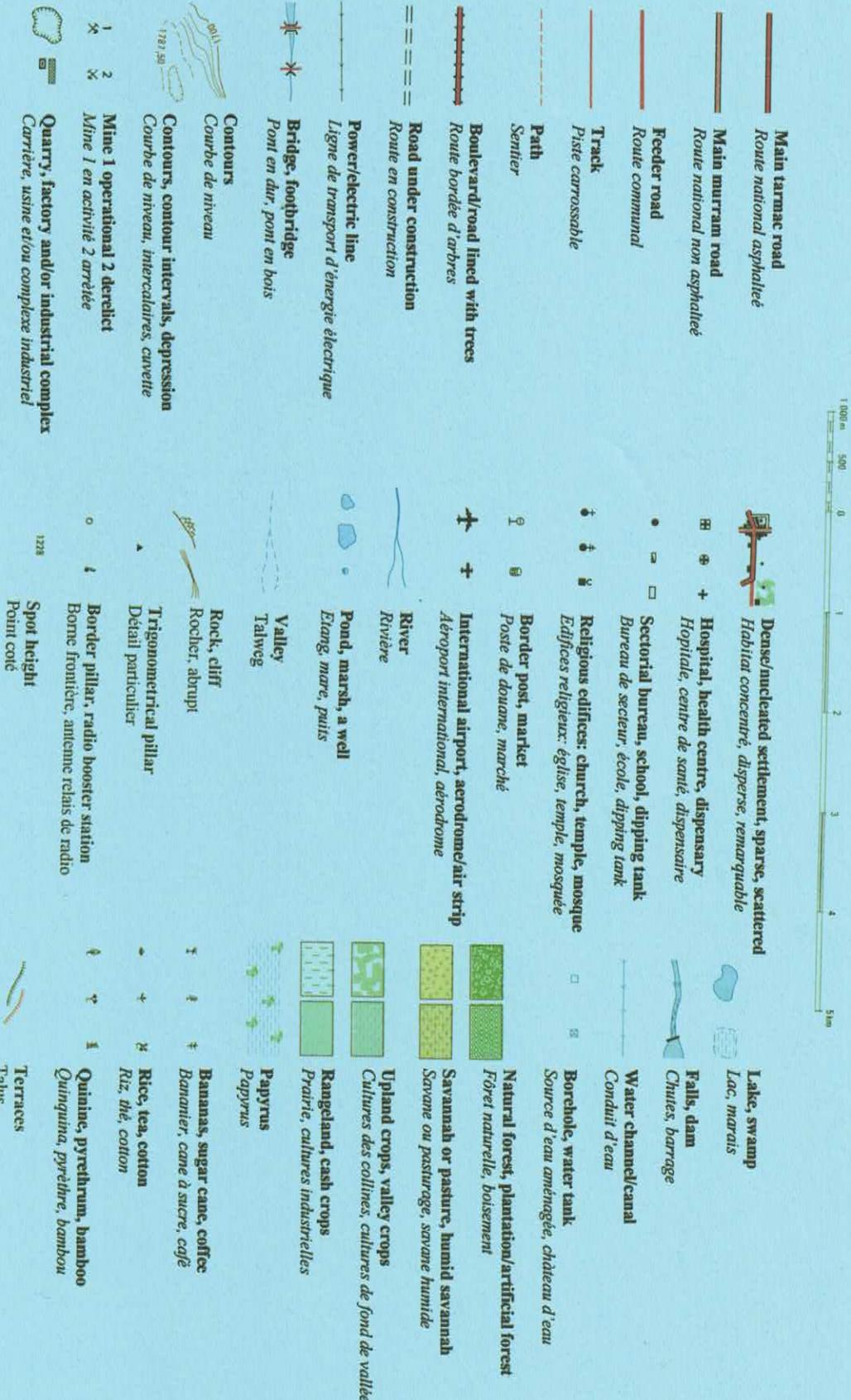
*Answer **one** question in this section.*

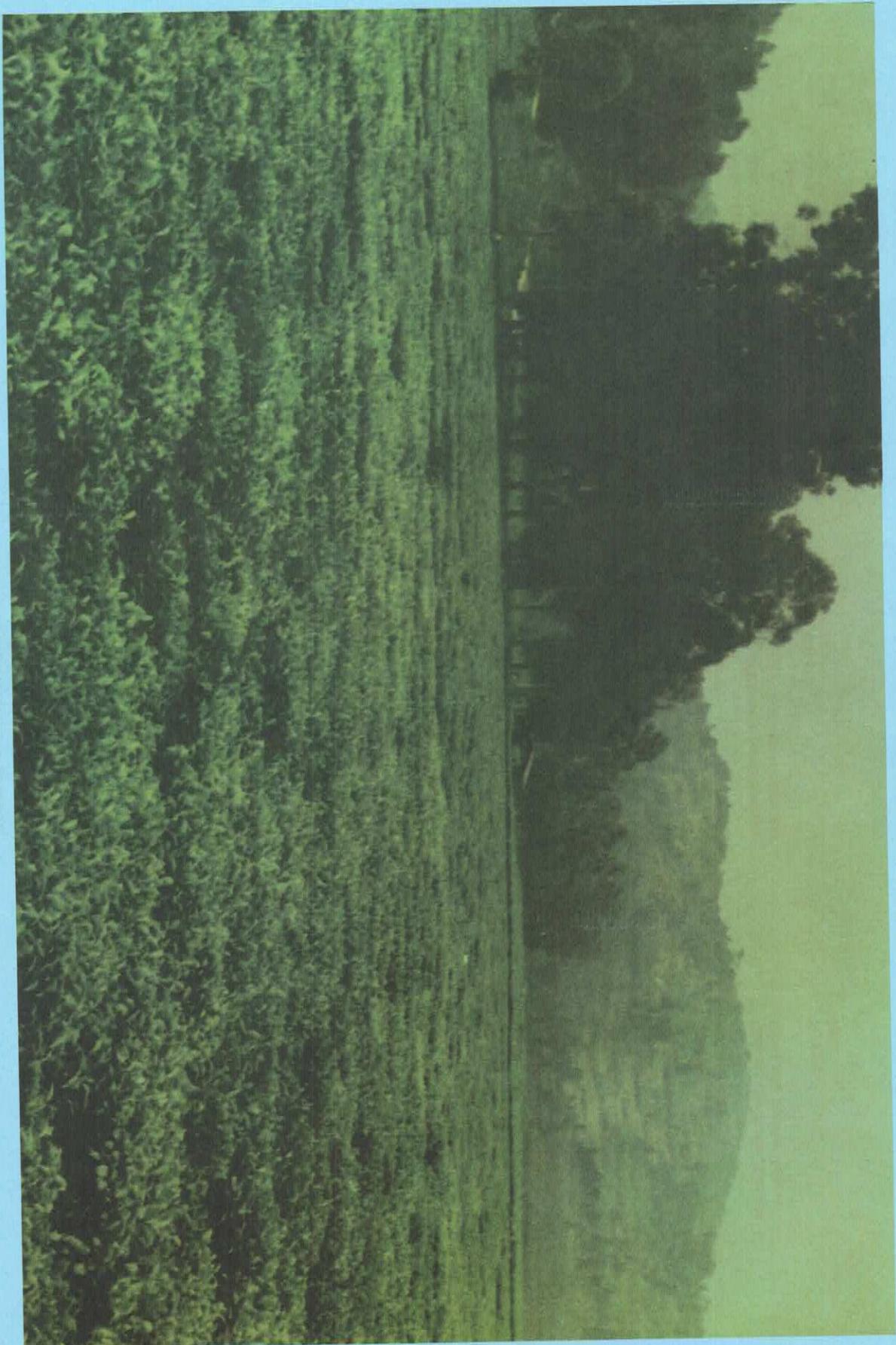
26. *Study the map extract of **RUHENERI** and answer the following questions.*
- (a) (i) Describe the population distribution of the area. **(3marks)**
(ii) Identify two crops grown in the area. **(2marks)**
- (b) Identify any four man-made features in the area. **(4marks)**
- (c) What is the direction of Gihishamwotsi from Ruhengeri Town? **(2marks)**
- (d) Measure the area of the park to the west of Easting 45. **(4marks)**
27. *Study the **Photograph** provided and answer questions that follow.*
- (a) Name the type of farming shown. **(1mark)**
(b) Give four advantages of the type of farming shown. **(4marks)**
(c) Describe the relief of the area shown in the photo. **(4marks)**
(d) Describe the vegetation shown. **(3marks)**
- (e) Name any three provinces in Rwanda where this photo might have been taken. **(3marks)**

Rwanda 1:50,000 RUHENERI



SCALE/ÉCHELLE 1:50,000





PHOTOGRAPH 3

Geography III

074

17 Nov. 2005 14h00-17h00

RWANDA NATIONAL EXAMINATIONS COUNCIL



B.P 3817 KIGALI-TEL/FAX : 586871

NATIONAL EXAMINATION 2005

SUBJECT : GEOGRAPHY III

LEVEL : TRONC-COMMUN

DURATION : 3 HOURS

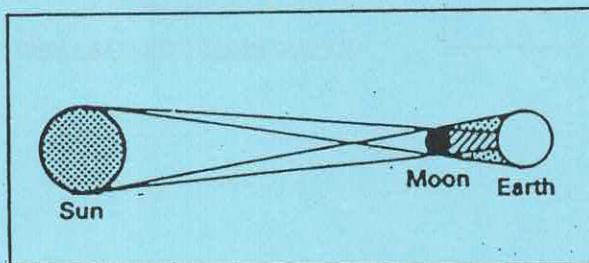
INSTRUCTIONS :

There are three Sections in this paper : A, B and C. Candidates must attempt **all** questions in Section A, Any **three** questions in Section B and **either** the questions On map reading **or** photographic interpretation in section C.

SECTION A: 55 MARKS

Answer **all** questions in this section.

1. Name the type of eclipse shown below: **(1mark)**



2. (a) With reference to Birunga volcanoes, name the three volcanoes found in the D.R.Congo. **(3marks)**

- (b) Which volcano is shared by Uganda, Rwanda and DR.Congo? **(1mark)**

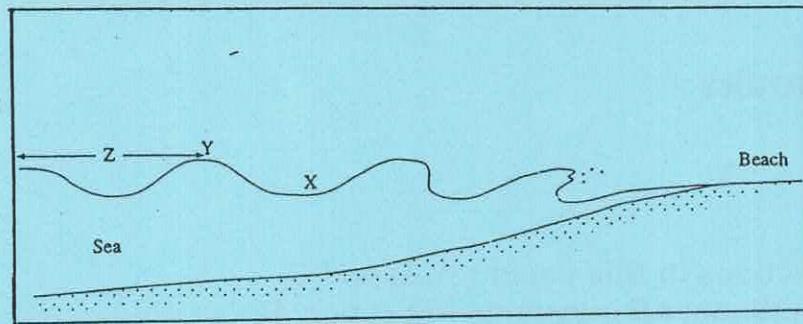
3. State any three constituents of soil. **(3marks)**

4. (a) Name the two distributaries of the Nile. **(2marks)**

- (b) Name any two African rivers with deltas. **(2marks)**

5. Name any three instruments kept *inside* the Stevenson Screen. **(3marks)**

6. Study the diagram below showing wave breaking on a shore. **(3marks)**



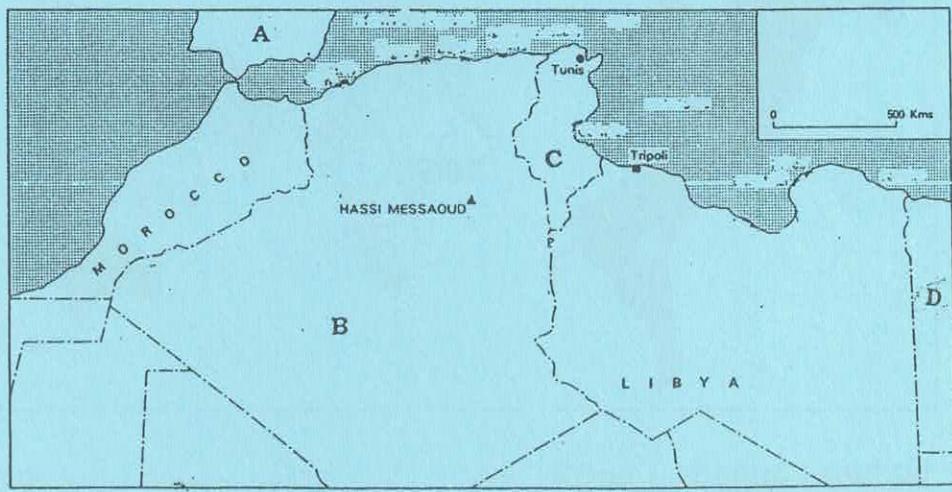
- (a) What is the wave feature marked **X**?

- (b) What is the wave feature marked **Y**?

- (c) What name is given to the distance marked **Z**?

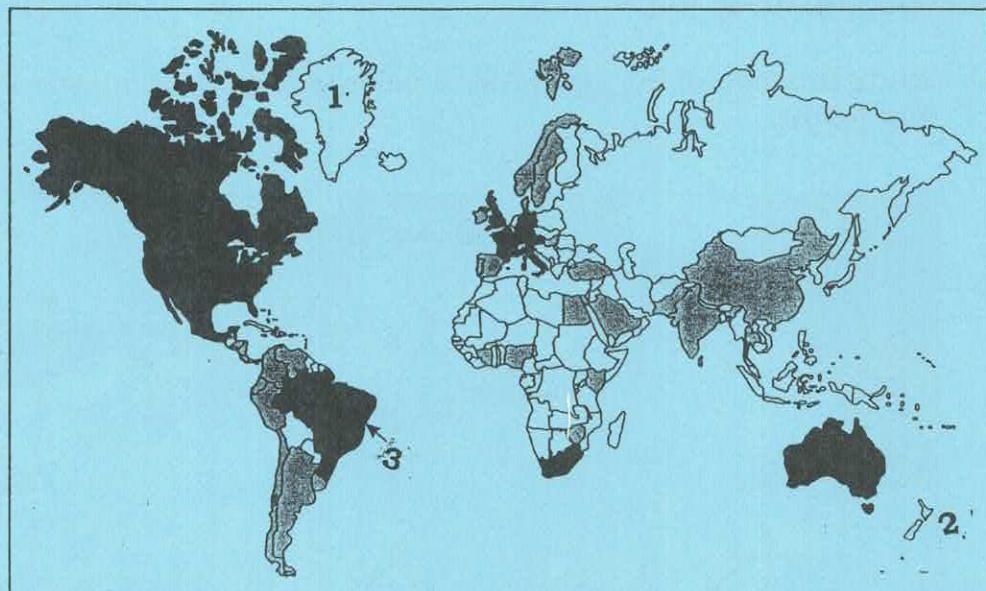
7. Name the three glaciated highlands in Africa. **(3marks)**

8. Define the following: (a) a river basin (b) a watershed. (3marks)
9. Write NEPAD in full. (1mark)
10. Study the map of Northern Africa below and answer questions that follow.



- (a) Name countries marked: **A**, **B**, and **C**. (3marks)
- (b) Name the most important mineral at Hassi Messaoud. (1mark)
11. Name the four main islands of Japan. (4marks)
12. Which two African countries share the Copper belt Region?.(2marks)
13. On which rivers are the following dams built? (4marks)
- (a) Cabora Bassa Dam (b) Calueque Dam (c) N'zilo Dam (d) Inga Dam
14. (a) Name one chief export from Australia. (1mark)
- (b) Which is the largest irrigation scheme in Australia?. (1mark)
15. State any two values of conserving wildlife in game parks. (2marks)
16. Name the capital cities of the following countries: (3marks)
- (a) Mauritius (b) Comoros (c) Seychelles

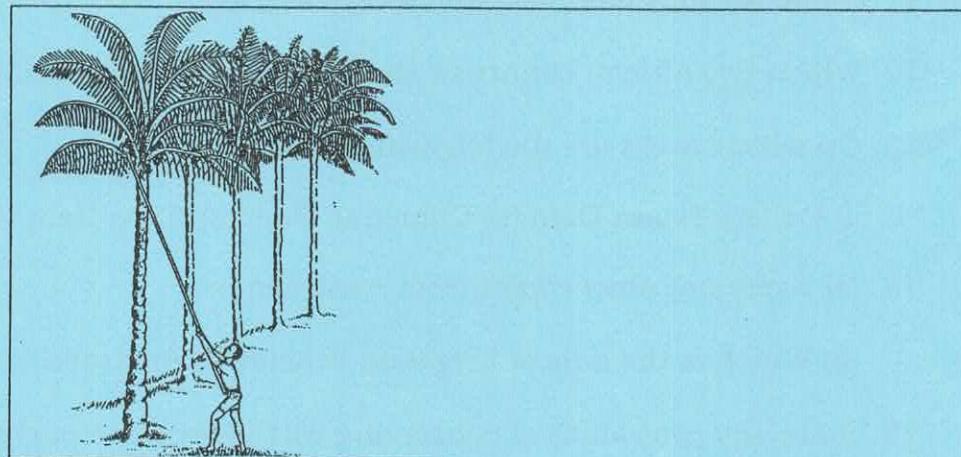
17. Study the World Map below and answer questions that follow.



- (a) Name islands **1** and **2**. **(2marks)**
- (b) Name country **3**. **(1mark)**

18. Name any three major industrial regions of China. **(3marks)**

19. The picture below shows a man harvesting from an oil palm tree.

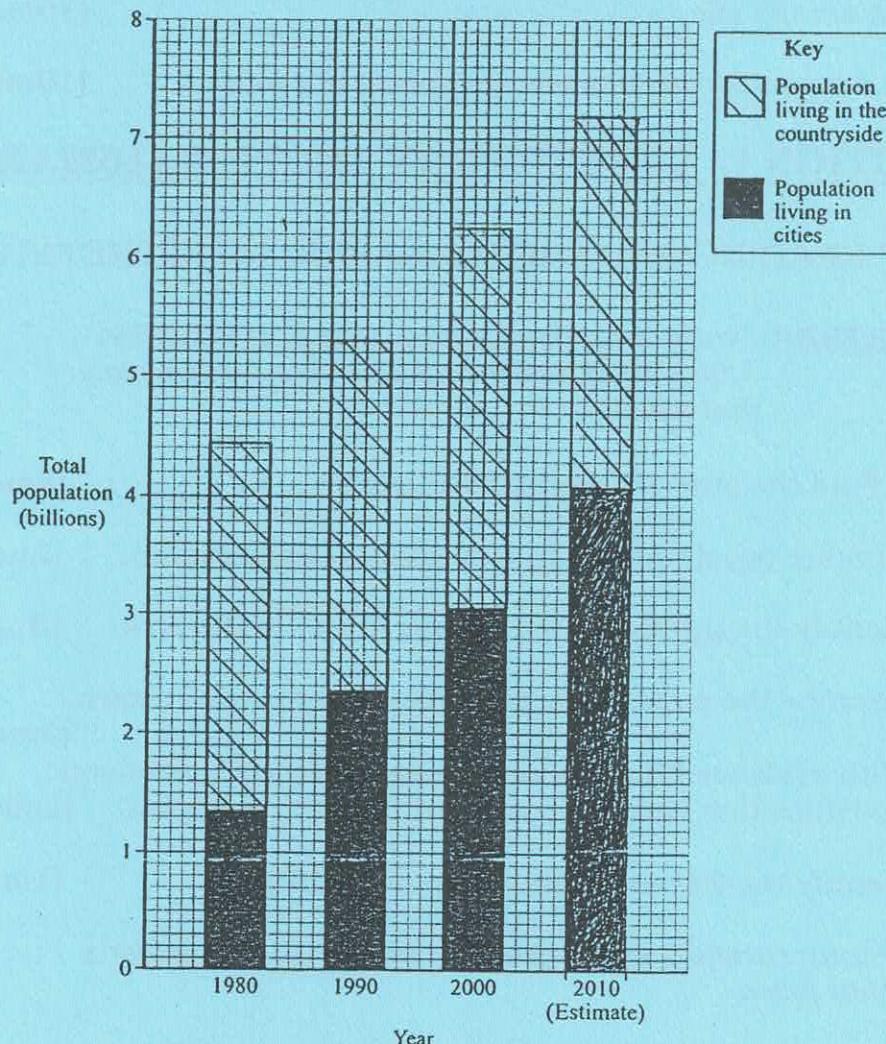


- (a) Name any one West African countries that grow palm oil. **(1mark)**
- (b) State any two uses of palm oil. **(2marks)**

SECTION B: 30 MARKS

Answer any **three** questions from this section.

20. What is the economic importance of rocks to man? **(10marks)**
21. Study the diagram below which shows the growth of the world's population from 1980 and the numbers of people living in cities and in the countryside.



- (a) Describe the trends in both the total population of the world and the proportion of the population living in cities, as on the the diagram. **(3marks)**

- (b) Many people are moving to cities in LEDCs (Least Economically Developed Countries). Explain the problems caused by the growth of cities in LEDCs. (7marks)
22. What has led to the growth of the Ruhr Industrial Complex of Germany? (10marks)
23. Explain why Rwanda should trade with other countries. (10marks)
24. What are the effects of deforestation? (10marks)
25. Give reasons for rural-urban migration in Africa. (10marks)

SECTION C: COMPULSORY SECTION (15MARKS)

MAP READING AND PHOTOGRAPHIC INTERPRETATION

26. **EITHER**: *Study carefully the map extract of RWANDA 1:50,000 of NYUNGWE and answer questions that follow.*
- (a) (i) Find the area of Kamiranzovu swamp. (3marks)
- (ii) State two disadvantages of Kamiranzovu swamp. (2marks)
- (b) Identify the three dominant crops grown in the area. (3marks)
- (c) Describe the population distribution of the area shown. (3marks)
- (d) With evidence from the map, suggest any three economic activities that can be carried out in the area shown. (3marks)
- (e) Identify the feature at grid reference **104 301**. (1mark)

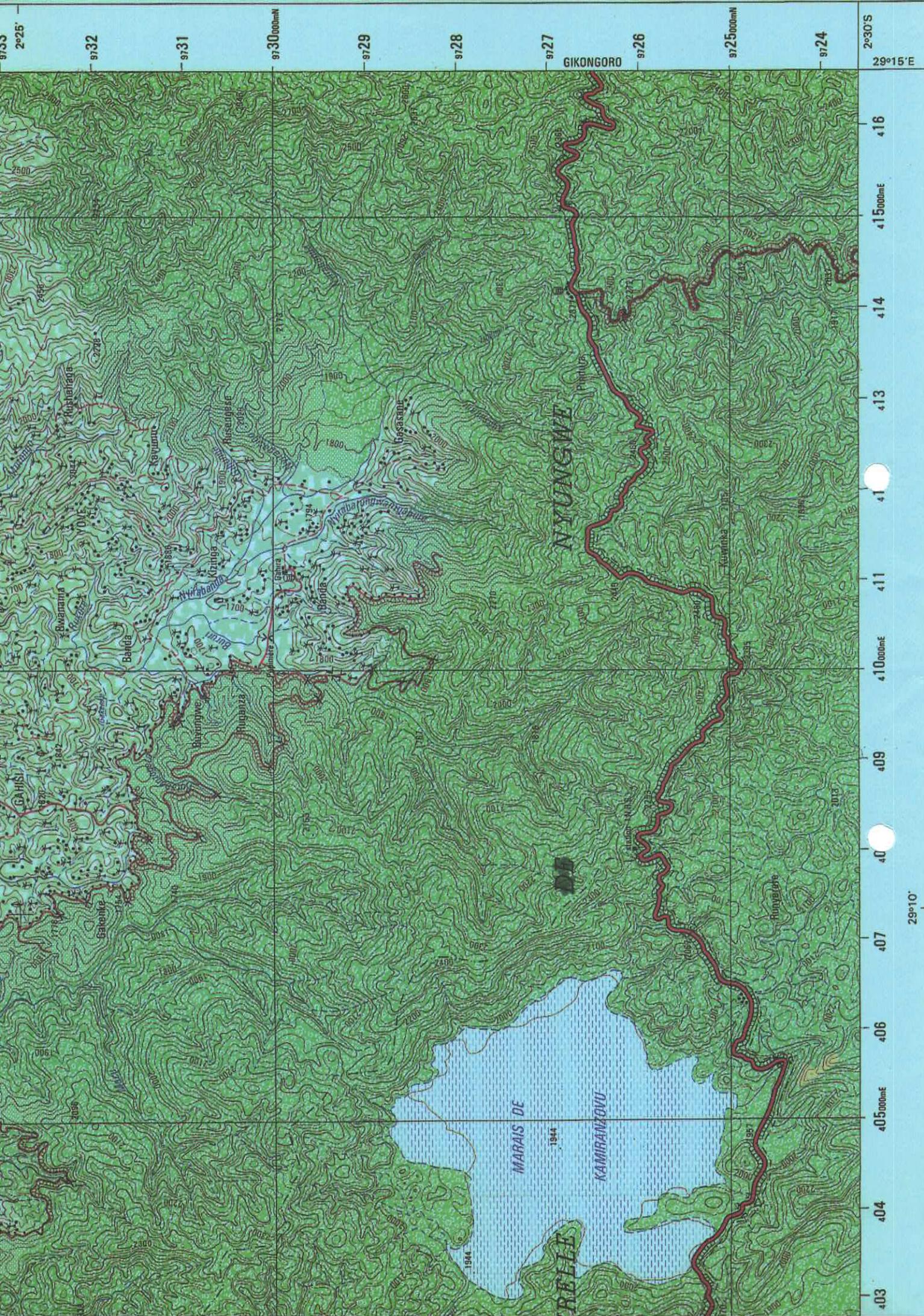
OR: *Study carefully **Photograph 3** and answer questions that follow.*

- (a) Identify the economic activity shown. (1mark)
- (b) Describe the relief of the area shown in the photograph. (2marks)
- (c)(i) Name the type of vegetation shown. (1mark)

(ii) Describe the vegetation shown. **(2marks)**

(d) Outline the problems facing the activity shown. **(8marks)**

(e) Name one province in Rwanda where this photo might have been taken. **(1mark)**



ÉCHELLE/SCALE 1 :50 000

PHOTOGRAPH 3



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