Geography I 005

27/11/2017 8.30 AM - 11.30 AM



ORDINARY LEVEL NATIONAL EXAMINATIONS, 2017

SUBJECT: GEOGRAPHY

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 of paper 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: Attempt all questions

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

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

(55 marks) (30 marks)

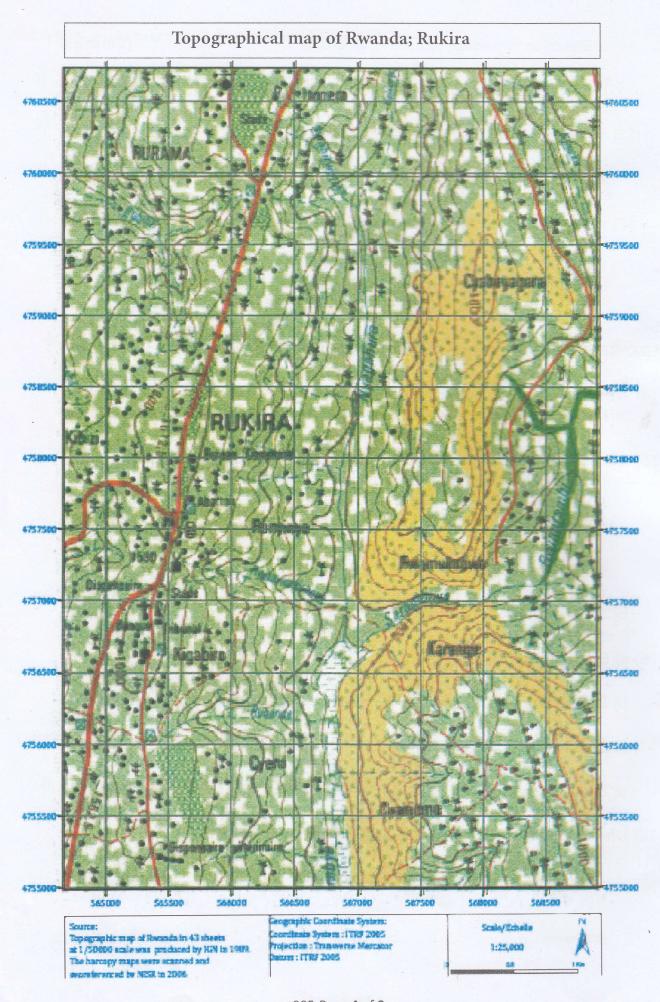
(15marks)

4) Use a blue or black pen.

SECTION A: Attempt all questions (55marks)

	1)	Differentiate between "galaxy" and "constellation".	(2marks
	2)	State three factors that determine the shape of the earth.	3marks)
	3)	Briefly describe the characteristics of the oceanic crust.	(3marks)
	4)	With the aid of a diagram, explain how the solar eclipse occurs.	(4marks)
	5)	Explain what is meant by the terms:	
		a) Global warming.	(2marks)
		b) Relative humidity.	(2marks)
ě	6)	a) i) Why is the Stevenson screen painted white?	(1mark)
		ii) Why does the screen in 6 a)(i) have louvers?	(1mark
		b) Differentiate between climate and weather.	(2marks)
	7)	Explain how the following features are formed:	
		a) Escarpment.	(3marks)
		b) Tilt block.	(3marks)
•	8)	Describe two ways in which faulting influences the drainage patterns.	(2marks)
	9)	Name three important gases in the earth's atmosphere.	(3marks)
	10	Briefly explain the three processes below that make up the water cycle:	
		a) Surface Runoff.	(2marks)
		b) Infiltration.	(2marks)
		c) Transpiration.	(2marks)

11) a)Describe two main causes of flooding.	(2marks)
b) Describe four characteristics of desert soils.	(4marks)
12) a) Describe the characteristics of igneous rocks.	(2marks)
b) Explain the effects of faulting on drainage of an area.	(4marks)
13) a) Describe the characteristics of topographical maps.	(3marks)
b) How do hachures show relief features on a topographical map?	(3marks)
SECTION B: Attempt any three questions (30marks)	
14) With the aid of a well-labelled diagram, explain the structure of the earth's atmosphere.	(10marks)
	8 0 8
15) a) Describe the formation of the following two deposition features found in the lower stage of a river:	ıres
15) a) Describe the formation of the following two deposition features	ires (3marks)
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15) a) Describe the formation of the following two deposition featured found in the lower stage of a river:(i) Meander.	(3marks)
15) a) Describe the formation of the following two deposition featured found in the lower stage of a river:(i) Meander.(ii) Ox-bow lake.	(3marks) (3marks)
 15) a) Describe the formation of the following two deposition feature found in the lower stage of a river: (i) Meander. (ii) Ox-bow lake. b) Explain the significance of rivers on development. 	(3marks) (3marks) (4marks)
 15) a) Describe the formation of the following two deposition features found in the lower stage of a river: (i) Meander. (ii) Ox-bow lake. b) Explain the significance of rivers on development. 16) a) Briefly describe the characteristics of savanna climate. 	(3marks) (3marks) (4marks)
 15) a) Describe the formation of the following two deposition feature found in the lower stage of a river: (i) Meander. (ii) Ox-bow lake. b) Explain the significance of rivers on development. 16) a) Briefly describe the characteristics of savanna climate. b) Explain the significance of savanna vegetation to man. 	(3marks) (3marks) (4marks) (5marks)



1000 m 500

3

2

4

5km

Natural forest, plantation Fôret naturelle, boisement

Savannah or pasture. Savane ou pasturage

Upland crops, valley crops Cultures des collines

Prairie, cultures industriclles Rangeland, cash crop Papyrus

Papyrus

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

Rice, tea, cotton Riz, thé, cotton

Quinine, pyrethrum, bamboo Quinquina, pyrèthre, bambou

Trigonometrical pillar Détail particulier Rocher, abrupt Rock, cliff Terraces Talus

Mine 1 operational 2 derelict Mine I en activité 2 arrètée

Dense/nucleated settlement, sparse, scattered labitat concentré, disperse, remarquable

Religious edifices: church, temple, mosque Sectorial bureau, school, dipping tank Bureau de sectcur, école, dipping tank Hopitale, centre de santé, dispensaire

Edifices religieux: église, temple, mosquée

Poste de douane, marché Border post, market

International airport, aerodrome/air strip Aéroport international, aérodrome

Rivière

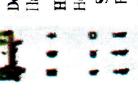
River

Pond, marsh, a well Etang, marc, puits

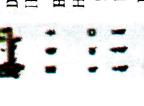
ake, swamp

Chutes, barrage ac, marais Falls, dam

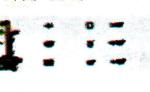
Hospital, health centre, dispensary









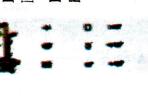


Route national non asphalteé

Main murram road

Route national asphalteé

Main tarmac road





Route communal

Peeder road

Piste carrossable

Track

Boulevard/road lined with trees

Sentier

3ath

Road under construction Route hordeé d'arbres

Route en construction

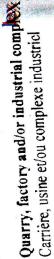
Ligne de transport d'éncrgie électrique Power/electric line

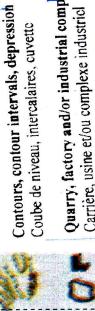
Bridge, footbridge

ont en dur, point en bois

Courbe de niveau Contours

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







SECTION C: Attempt only one question (15marks)

- 19) Study the map extract of **RUKIRA** (on page 4) and answer the questions given bellow:
 - a) (i) Identify two types of settlement from the map extract. (2marks)
 - (ii) Give reasons to support the answer given in 19 (a) (i) above. (3marks)
 - b) (i) Describe the relief of the area shown on the map extract. (3marks)
 - (ii) Describe the vegetation of the area. (3marks)
 - (iii) Explain the influence of relief on vegetation distribution. (4marks)

- 20) Study the photograph provided on the next page (page 8) and answer the questions given below:
 - a) (i) Name the type of photograph shown on page 8.

(1mark)

(ii) Name the economic activity taking place in the photograph.

(1mark)

b) In which season was the photograph likely to have been taken?

(1mark)

c) (i) Describe the animals shown in the photograph.

(3marks)

(ii) Give reasons why these animals are kept.

(4marks)

d) Explain the problems faced by the people who practice this activity.

(4marks)

e) Name an area in Rwanda where this photograph could have been taken.

(1mark)



Photograph