



EXAMINATIONS COUNCIL OF LESOTHO
Lesotho General Certificate of Secondary Education

CANDIDATE
NAME

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CENTRE
NUMBER

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CANDIDATE
NUMBER

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GEOGRAPHY

0183/01

Paper 1

October/November 2018

1 hour 45 minutes

Candidates answer on the Question Paper.

Additional Materials: Ruler
Protractor

1:50 000 map extract is enclosed with this question paper.

INSTRUCTIONS AND INFORMATION TO THE CANDIDATES

Write your name, centre number and candidate number in the relevant spaces provided at the top of this paper.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

Answer **all** questions.

If working is needed for any question it must be shown in the space below the question.

The number of marks is given in brackets [] at the end of each question or part question.

For Examiner's Use	
SECTION A	
SECTION B	
SECTION C	
SECTION D	
Total	

This document consists of **19** printed pages and **1** blank page.



Answer all questions in the spaces provided

SECTION A: Physical Geography

1 (a) Give any **one** type of chemical weathering.

.....
..... [1]

(b) Study **Fig. 1** which shows geographical features found in an area where weathering is active to answer the questions that follow.



Fig. 1

(i) Identify the features labelled **X** and **Y** on **Fig. 1**.

X:
Y: [2]

(ii) Explain how any **one** of the features you have identified in **Fig. 1** formed.

.....
.....
.....
.....
.....
..... [3]



(iii) Study **Fig. 2**, which shows three different drainage patterns to answer questions that follow.

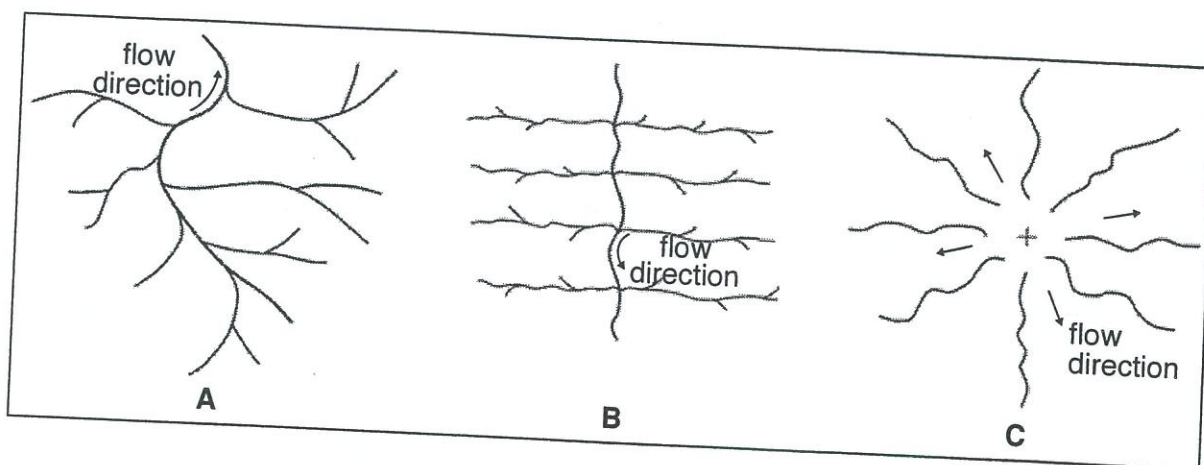


Fig. 2

Identify drainage patterns labelled **A**, **B** and **C**.

A:

B:

C: [3]

(iv) Plate movements result in a number of plate boundaries and different tectonic activities. Name **one** plate boundary where volcanoes form.

.....[1]

[Total: 10]

SECTION B: Economic Geography

2 Study **Fig. 3** which shows a flow diagram of one commercial farm in a More Economically Developed Country (**MEDC**) to answer questions that follow.

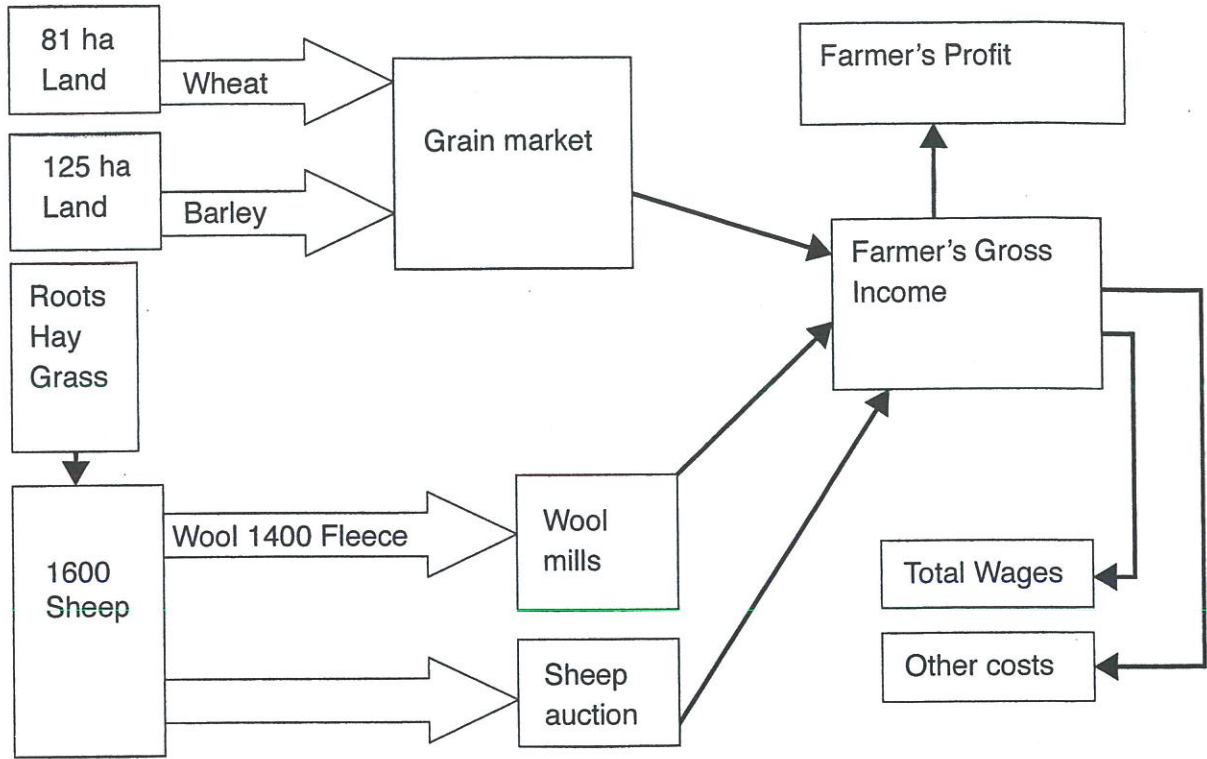


Fig. 3

(a) Give the meaning of the term commercial farm.

.....
 [1]

(b) State **one** crop and **one** animal product that is produced in the farm.

Crop:
Animal product: [2]

(c) Suggest **two** of the other costs shown in **Fig. 3**.

.....
 [2]



(d) Give **three** natural inputs required by the farm.

1

2

3

[3]

[Total: 8]

SECTION C: Settlement, Population and Migration

3 Study **Fig. 4** which shows land use in a rural settlement to answer questions that follow.

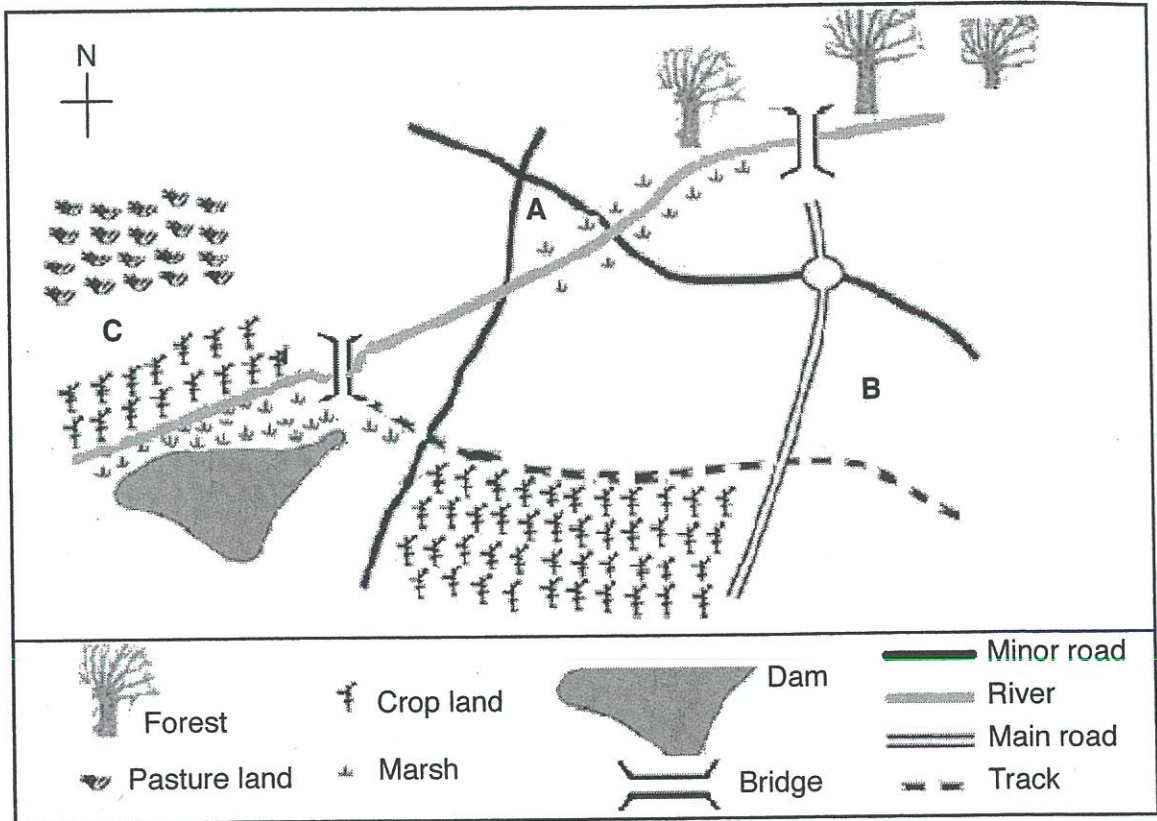


Fig. 4

(a) Differentiate between nucleated and scattered settlements.

.....

.....

.....

..... [2]

(b) Choose which site, **A**, **B**, or **C** is the best site for a new settlement and give **two** reasons for your choice.

Site

Reason

..... [2]



(c) Suggest **one** reason why one of the other sites is not suitable for the establishment of a new village.

Site

Reason

.....

.....

..... [1]

(d) State the settlement pattern that is likely to develop at **site A** and give **one** reason to support your answer.

Settlement pattern:

Reason:

.....

.....

..... [2]

[Total: 7]

SECTION D: BASIC TECHNIQUES AND INQUIRY SKILLS

Study the map extract of **Bambous (Mauritius)** to answer questions that follow.

4 Identify the vertical interval (V.I.) used on the map.

..... [1]

5 Give the **four** grid squares, using 4-figure references, which contain part of the **LA FERME RESERVOIR**.

1

2

3

4 [2]

6 Give **two** agricultural activities which are dominant on most land of the map.

.....

.....

.....

..... [2]

7 Give the 6-figure grid reference of the school in the settlement of Petite Rivière, found in the north east part of the map.

..... [1]

8 Using map evidence, suggest **two** reasons why the area in grid square **9193** is not suitable for settlement.

.....

.....

.....

..... [2]

9 When a person is standing at the trigonometrical station in grid square **8992**, state the direction of the trigonometrical station in grid square **9196**.

..... [1]



10 Measure the straight-line distance of the RIVIÈRE NOIRE ROAD from its bend in grid square 8793 to its end in the south part of the map in grid square 8791.

..... [1]

11 Identify the grid square on the map which suits this description, "The land extends to the height of 450 m. There is scrub and cultivation and other plantation".

..... [1]

12 Suggest a service industry that could be developed in grid square 8391. Give reasons to support your answer.

Service industry:

Reasons:

.....

..... [2]

13 Name **one** land use found in grid square 9195.

..... [1]

14 Identify the highest point of the **CORPS DE GARDE** mountain in grid square 9193.

..... [1]

[Total: 15]

15 A group of learners were investigating the results of population growth and natural resources in different districts of Lesotho. They decided to undertake their study in the following **five** districts:

- Botha-Bothe
- Leribe
- Maseru
- Thaba-Tseka
- Qacha's Nek

The learners investigated the following hypotheses:

Hypothesis 1: The districts in the highlands of Lesotho are less populated.

Hypothesis 2: The larger the population, the fewer the natural resources.

(a) First the learners did a pilot survey in a road near their school.

Suggest **one** reason why they did a pilot survey.

.....
 [1]

(b) In order to investigate **Hypothesis 1**, "The districts in the highlands of Lesotho are less populated", learners compiled the results of population census in the districts under study for the past years (**1986, 1996 and 2006**).

They entered their results into a table, **Fig. 5**.

District	1986	1996	2006
Botha-Bothe	106 077	109 192	110 320
Leribe	273 678	300 160	293 369
Maseru	311 254	385 869	431 998
Thaba-Tseka	108 187	126 353	129 881
Qacha's Nek	68 207	71 665	69 749

Fig. 5

Suggest **one** way that the learners could have organised themselves to make sure that their results were reliable. Give **one** reason to support your answer.

Suggestion:

 Reason:
 [2]



(c) Calculate the difference in population between Botha-Bothe and Maseru in 2006.

.....
 [1]

(d) Give the district that had the lowest population in 1996.

..... [1]

(e) Calculate the population growth in Thaba-Tseka from 1996–2006.

.....
 [1]

When the learners had compiled their results, they calculated the average results in each of the five districts. The results are shown in Fig. 6.

Average results of the compiled over the past years (1986, 1996 and 2006).

District	Average Results
Botha-Bothe	108 530
Leribe	
Maseru	376 374
Thaba-Tseka	121 474
Qacha's Nek	69 874
Total Average	

Fig. 6

(f) (i) Use Fig. 6 to help you complete Fig. 5 by calculating the following:

Average population result for the Leribe District:

.....

Total Average: [2]

(ii) Use the results in **Fig. 6** to complete the bar graph in **Fig. 7**.

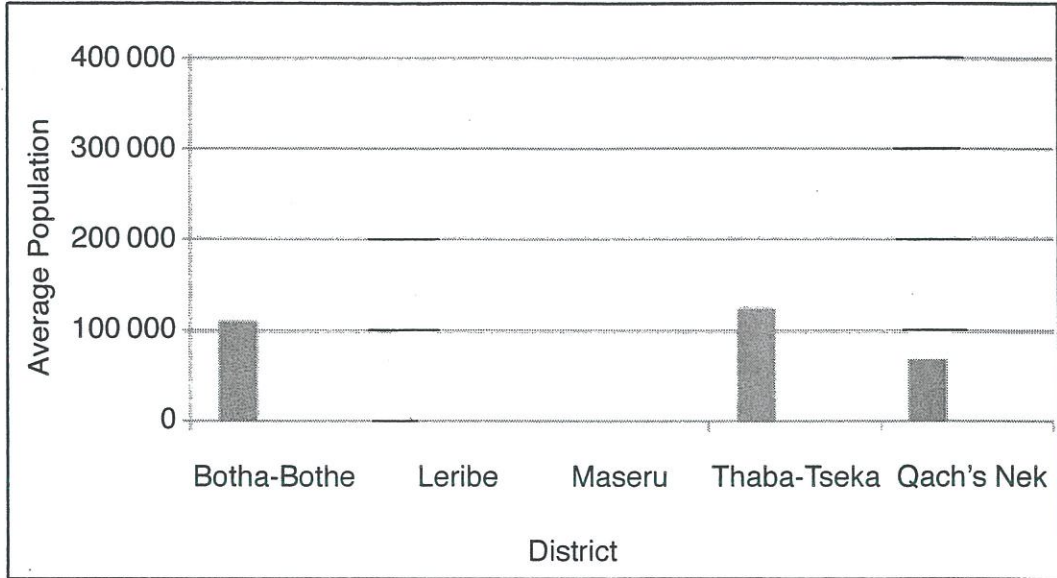


Fig. 7

[2]

The learners decided that **Hypothesis 1**: “The districts in the highlands of Lesotho are less populated,” was partly true.

(g) Use data from **Fig. 5** to explain why the learners reached this conclusion.

.....

.....

.....

..... [2]



To investigate **Hypothesis 2**: "The larger the population, the fewer the natural resources", learners used a questionnaire with residents in each of the **five** districts. This is shown in **Fig. 8**.

Resident Questionnaire

I am doing a research project on population and resources as part of my Geography coursework. Could you please answer the following questions. You are assured that all your answers will be kept strictly confidential.

How strongly do you agree with the following statements below? Choose the answer that best matches your opinion.

1. Which district are you from?

.....

2. Population grows fast in the area where I live.

Strongly agree:

Agree:

Disagree:

Strongly disagree:

Please say why you gave this answer.

.....
.....
.....
.....
.....
.....
.....
.....
.....



3. The natural resources are limited in the area where I live.

Strongly agree:

Agree:

Disagree:

Strongly disagree:

Please say why you gave this answer.

.....

.....

.....

.....

.....

.....

4. When the population grows faster, natural resources are used faster too.

Strongly agree:

Agree:

Disagree:

Strongly disagree:

Please say why you gave this answer.

.....

.....

.....

.....

.....

.....

Thank you

Fig. 8



- (h) Name a sampling method the learners could use to get a representative sample of people to take part in their survey. Give reasons for your choice.

Sampling method:

Reasons for your choice:

.....

.....

.....

..... [3]

After completion of the study, learners compiled their results from the five districts. They entered their results into the table, **Fig. 9**.

Botha-Bothe	Respondents (N = 5)			
	Strongly agree	Agree	Disagree	Strongly disagree
	Number	Number	Number	Number
Population grows faster in the area where I live.	1	3	1	–
The natural resources are limited in the area where I live.	1	2	2	–
When population grows faster, natural resources are used faster too.	4	1	–	–
TOTAL	6	6	3	0

Leribe	Respondents (N = 5)			
Category	Strongly agree	Agree	Disagree	Strongly disagree
	Number	Number	Number	Number
Population grows faster in the area where I live.	4	1	–	–
The natural resources are limited in the area where I live.	2	2	1	–
When population grows faster, natural resources are used faster too.	4	1	–	–
TOTAL	10	4	1	0

Maseru	Respondents (N = 5)			
Category	Strongly agree	Agree	Disagree	Strongly disagree
	Number	Number	Number	Number
Population grows faster in the area where I live.	4	1	–	–
The natural resources are limited in the area where I live.	4	1	–	–
When population grows faster, natural resources are used faster too.	4	1	–	–
TOTAL	12	3	0	0



Thaba-Tseka				
Category	Strongly agree	Agree	Disagree	Strongly disagree
	Number	Number	Number	Number
Population grows faster in the area where I live.	1	2	2	–
The natural resources are limited in the area where I live.	–	–	2	3
When population grows faster, natural resources are used faster too.	3	1	1	–
TOTAL	4	3	5	3

Qacha's Nek	Respondents (N = 5)			
Category	Strongly agree	Agree	Disagree	Strongly disagree
	Number	Number	Number	Number
Population grows faster in the area where I live.	–	1	3	1
The natural resources are limited in the area where I live.	–	1	1	3
When population grows faster, natural resources are used faster too.	3	1	1	–
TOTAL	3	3	5	4

Fig. 9

(j) Suggest the possible outcome of the learners' survey. Give a reason to support your answer.

.....

.....

.....

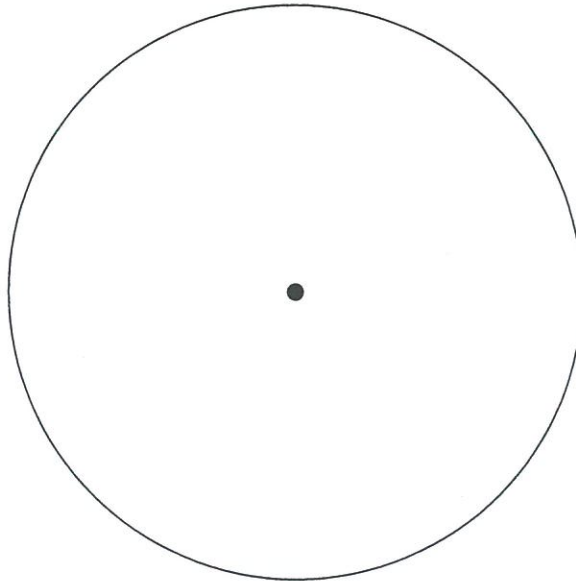
..... [2]

The main reasons why people thought that population growth results in the faster use of natural resources are shown in **Fig. 10**.

Reasons why population growth results in faster use of the natural resources	
Reason	Number of answers
Use of fields for residential areas	173°
Industrialisation	
Urban growth	72°

Fig. 10

(k) Calculate the missing number in **Fig. 10** and use the information to draw a pie chart in the space provided.



[2]

(l) Suggest what the learners' conclusion about **Hypothesis 2**: "The larger the population, the fewer the natural resources".

Conclusion:

..... [1]

[Total: 20]



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