



BOTSWANA EXAMINATIONS COUNCIL
Botswana General Certificate of Secondary Education

GEOGRAPHY

0584/03

Specimen Paper 3

October/November 20XX

1 hour

Additional Materials: Answer Booklet
 Calculator
 Mathematical set

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on the answer booklet.
Do not use staples, paper clips, highlighters, glue or correction fluid.

Answer **all** questions.

At the end of the examination, fasten all your work securely together.

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

SPECIMEN

This document consists of **6** printed pages and **2** blank pages.

[Turn over

- 1 There is water shortage in your local area. You have been asked to carry out research on the problem.

(a) (i) Formulate a topic for your research.

[1]

(ii) Give **three** aims for your research topic.

[3]

(iii) State a hypothesis for each of your aims in 1(a)(ii).

[3]

(b) One of the methods you could use to collect data is studying documents.

(i) Describe how you could use documents to collect data.

[4]

(ii) Describe **three** advantages of using documents to collect data.

[3]

(iii) State **two** other methods that you could use to collect data.

[2]

- (c) Describe problems that you are likely to face when carrying out research on water shortage in your local area.

[4]

Suggest **five** recommendations that you would make to the people in your local area on how to conserve water.

[5]

[Total: 25]

- 2 A group of students carried out research on livestock population in Botswana between 2007 and 2012. Their findings are shown in Fig. 1.

Year	Livestock Population (thousands)				
	Cattle	Goats	Sheep	Donkeys	Horses
2007	1778	1640	253	306	30
2008	2220	1879	303	366	37
2009	2413	1867	293	360	42
2010	2635	1938	279	339	41
2011	2554	1770	296	351	40
2012	2247	1650	295	290	36

Source: 2012 Annual Agricultural survey.

Fig. 1

- (a) (i) Which livestock had the highest population in 2010?

[1]

- (ii) State **two** livestock which had an increase in population between 2010 and 2011.

[2]

- (iii) Calculate percentage decrease in the population of cattle between 2011 and 2012.
Show your working.

[3]

- (iv) Suggest reasons that might have led to the decrease in livestock population between 2011 and 2012.

[3]

- (v) Draw a bar graph to show the population of sheep in Botswana from 2007 to 2012.

[6]

- (b) Using information in Fig. 1, suggest **three** conclusions about the population of livestock in Botswana.

[3]

- (c) Describe the negative effects that an increase in livestock population can have on the environment.

[3]

- (d) Describe the economic benefits of livestock to Botswana.

[3]

[Total: 25]

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