



0584/02

October/November 20XX

2 hours 10 minutes

No Additional materials are required.

**Mark answers by shading the oval heavily, like this: - **

CENTRE NUMBER						CANDIDATE NUMBER					
B	W										
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		1	1	1	1	1	1	1	1	1	1
		2	2	2	2	2	2	2	2	2	2
		3	3	3	3	3	3	3	3	3	3
		4	4	4	4	4	4	4	4	4	4
		5	5	5	5	5	5	5	5	5	5
		6	6	6	6	6	6	6	6	6	6
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		8	8	8	8	8	8	8	8	8	8
		9	9	9	9	9	9	9	9	9	9

- Answer **one** question from each section.
- Write your candidate name, centre name, centre number and candidate number in the spaces provided at the top of this page and on all work you hand in.
- Write in dark blue or black pen.
- Write your answer to each question in the spaces provided.
- You may use an HB pencil for any diagrams, graphs or rough working.
- Do **not** use staples, paper clips, highlighters, glue or correction fluid.
- DO **NOT** WRITE ON BARCODES.
- Electronic calculators may be used.

- The total marks for this paper is **100**.
- This question paper is divided into **four** sections: A, B, C and D.
- The number of marks is given in brackets [] at the end of each question or part question.

This document consists of **21** printed pages and **3** blank pages

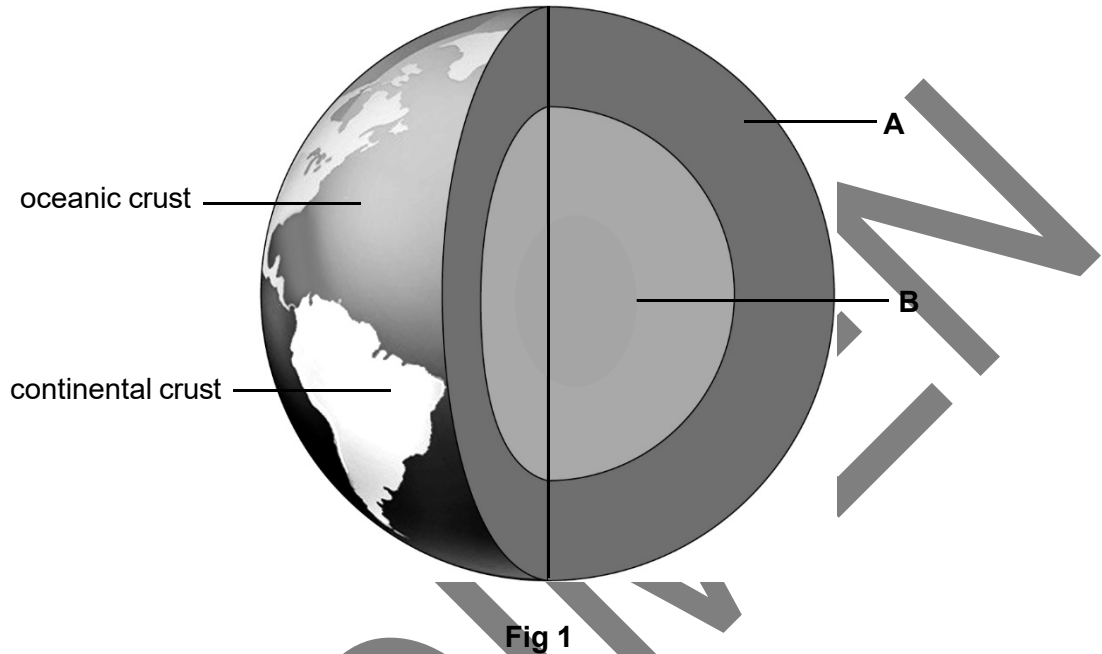
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Section A

Answer **one** question in this section.

- 1 (a) Study Fig. 1 which shows the earth's structure.



- (i) Name the features labelled **A** and **B** in Fig.1.

_____ [2]

- (ii) Describe the characteristics of the oceanic crust.

_____ [3]

(b) Study Fig. 2 which shows world tectonic plates.

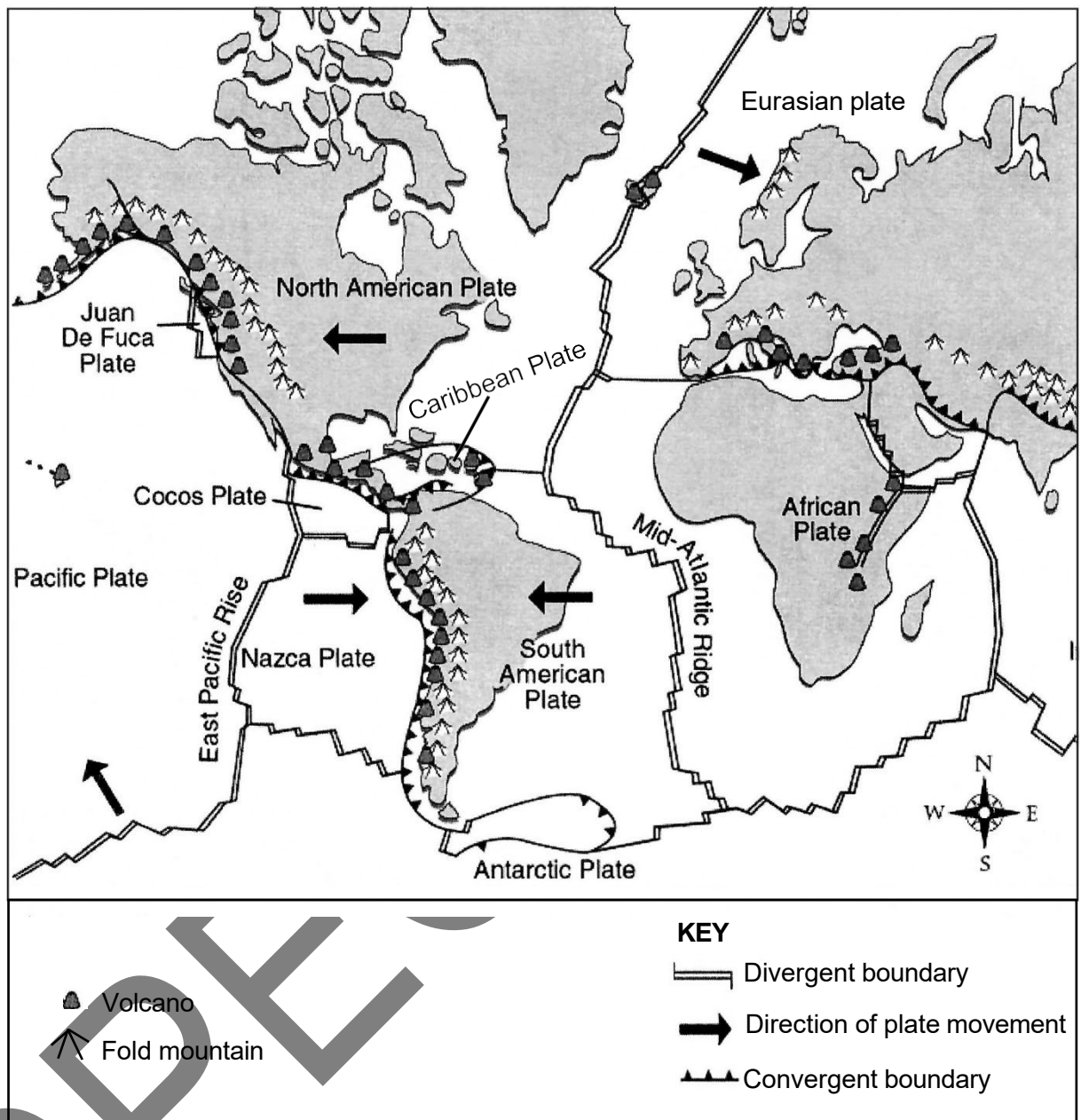


Fig. 2

- (i) Using Fig. 2, name the type of plate boundary between the South American plate and the Nazca Plate.

[1]

- (ii) Describe the distribution of volcanoes shown in Fig. 2.

[4]

- (iii) With the aid of Fig. 2, describe the processes taking place at the plate boundary between the North American and the Eurasian Plates.

[5]

- (c) (i)** Explain why people continue living along active plate margins.

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[6]

- (ii) Describe the dangers faced by people living around active volcanoes.

[illegible]

[Total 25]

2 (a) Study Fig. 3 which shows a sunshine recorder.

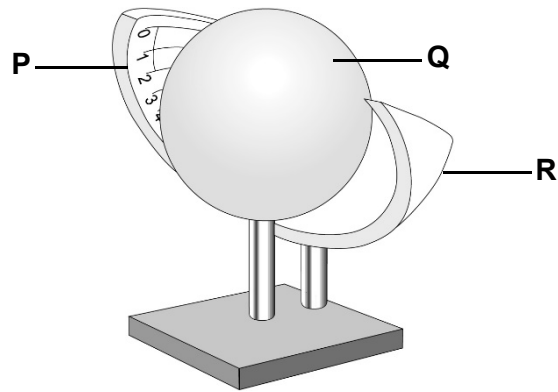


Fig. 3

- (i) Name the parts labelled **P**, **Q** and **R** in Fig. 3.

[3]

- (ii) Describe how a sunshine recorder works.

[5]

(b) Study Fig. 4 which is a synoptic weather map.

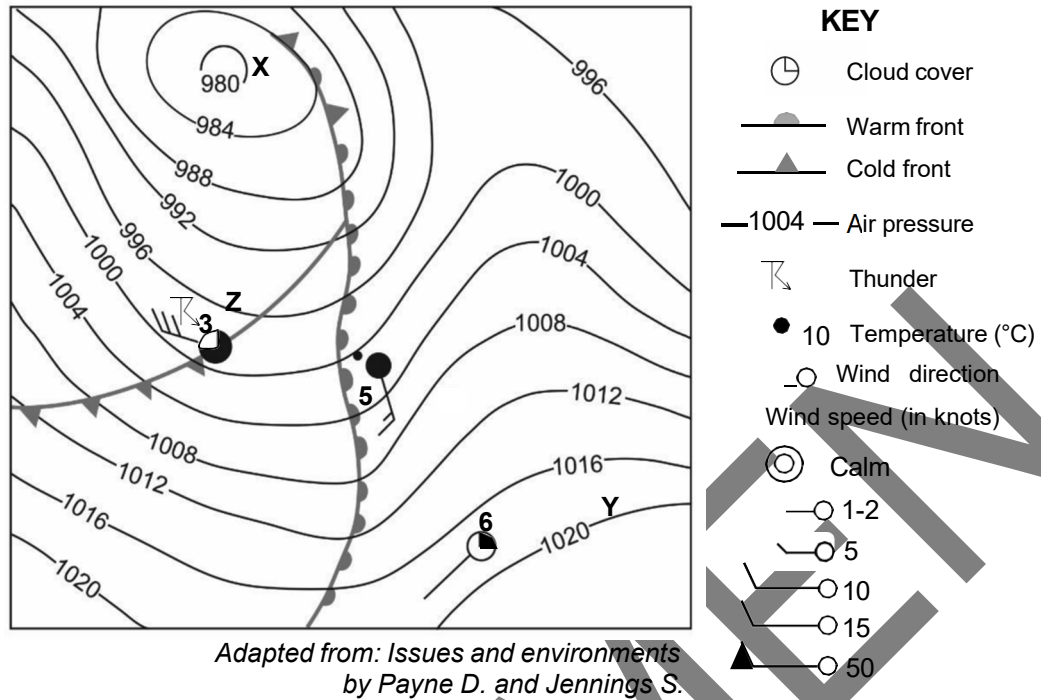


Fig.4

- (i) Write **X** and **Y** as a list and state the type of pressure at each place in Fig. 4.

[2]

- (ii) Describe the weather conditions experienced at weather station **Z**, shown in Fig. 4.

[illegible]

- (iii) Suggest strategies that may have been used to protect people and their property from the weather conditions at weather station **Z**.

[4]

- (c) Explain how human activities have been influenced by the climate in a Mediterranean climatic region.

[6]

[Total: 25]

[6]

(b) Botswana experiences water scarcity due to physical and human factors; the scarcity puts a strain on people's livelihoods.

(i) Describe the physical factors that lead to water scarcity in Botswana.

[5]

4 (a) (i) Name and locate on a sketch map of Botswana, any wildlife management area.

[3]

(ii) State **five** examples of land uses that are in conflict with the management of wild animals.

(iii)

[5]

- 6

[6]

- [5]

[5]

- (ii) Describe the changes that may occur on the environment due to commercialisation of forest and veld products.

[6]

[Total 25]

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Section C

Answer **one** question in this section.

5 (a) Subsistence farming is widely practised in Botswana.

(i) Define subsistence farming.

[1]

(ii) Describe the importance of subsistence farming to local communities.

[4]

(iii) Suggest **five** ways through which subsistence arable farming can be improved in Botswana.

[5]

(b) (i) Name an area of commercial arable farming in Botswana that you have studied.

[1]

(ii) Describe **three** factors that influenced the location of commercial arable farming in the area you named in (b)(i).

(iii) Suggest how a decline in the output of commercial arable farming will affect the economy of Botswana.

(c) As part of the effort to address the decline in commercial arable farming, the government encourages farmers to form co-operatives.

Suggest how commercial arable farmers will benefit from forming co-operatives.

[Total 25]

- 6 (a) The tourism industry makes a substantial contribution to Botswana's economy. However, the local people are not always actively involved in the industry. The government has developed strategies to encourage local participation even though the industry is sometimes affected by outbreak of diseases.

(i) Define tourism.

[1]

(ii) Suggest how the participation of local communities in tourism will help the industry to grow.

[5]

(iii) Suggest **five** ways in which outbreak of diseases may negatively affect the tourism industry.

[5]

(b) (i) Name any large scale industry in Botswana that you have studied.

[1]

(ii) Describe **three** factors which influenced the location of the industry in (b)(i).

[3]

(iii) Explain how large scale industries benefit the country.

[6]

(c) Describe how the government is promoting the development of manufacturing industries in Botswana.

[4]

[Total: 25]

Section D

Answer **one** question in this section.

- 7 (a) Study Fig. 5 which is an extract on population distribution in Botswana.

Population distribution in Botswana shows that 61% of the population has urbanised and the current urbanisation rate is 2.3%. The majority of the population lives within 100 km of Gaborone, the capital city. The population of Gaborone is around 232 000, which is more than 10% of the country's population. This places resources in Gaborone under great pressure.

Adapted from: Botswana Population 2020 (Demographics, Maps, Graphs)

Fig. 5

- (i) Define population distribution.

[1]

- (ii) Describe the factors which may be influencing the high population of Gaborone.

[5]

- (iii) Suggest the impacts of high population on the land resource in and around Gaborone.

[5]

[5]

(i) Describe the social impacts of rural-urban migration on rural areas.

[4]

(ii) State the benefits of rural-urban migration to urban areas.

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- 8 (a) Study Fig. 6 which shows rural settlement patterns.

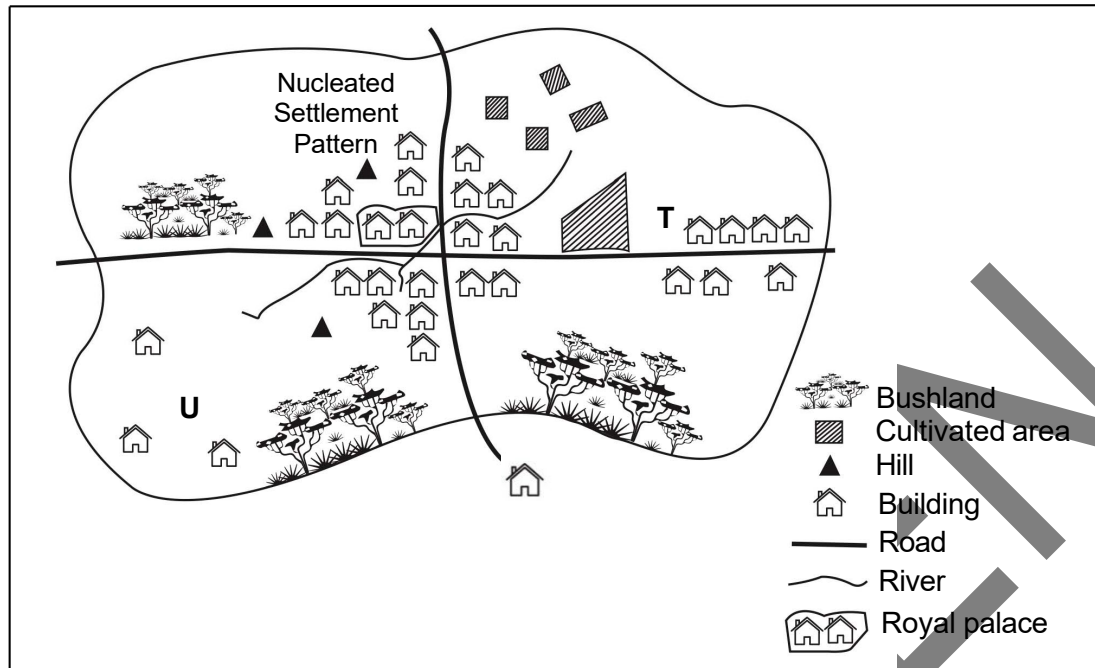


Fig. 6

- (i) Define settlement pattern.

[1]

- (ii) Name the settlement patterns labelled T and U.

[2]

- (iii) With the aid of Fig. 6, describe the factors which influenced the development of the nucleated settlement pattern.

[6]

- (b)** The city of Francistown in Botswana has a high rate of in-migration; this includes people from surrounding villages and investors from all over the world. This flow brings problems such as traffic congestion.

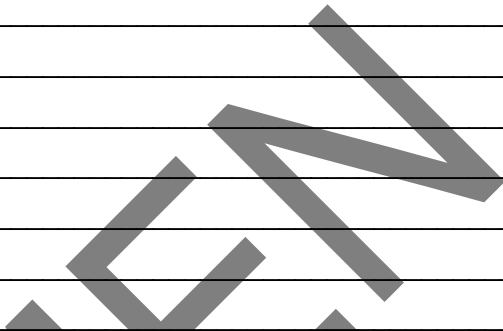
- (i) State **five** ways through which people from surrounding villages may benefit from cities such as Francistown.

5

- (ii) Describe problems other than traffic congestion, which people living in cities experience due to the high number of people coming from other places.

[6]

(iii) Suggest solutions to the problem of traffic congestion in cities.



[5]

[Total 25]

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