

**Tuesday 4 June 2013 – Afternoon**

**GCSE GEOGRAPHY A**

**A671/02 Extreme Environments (Higher Tier)**



Candidates answer on the Question Paper.

**OCR supplied materials:**

- An Insert (A671/01/02/I – inserted)

**Other materials required:**

None

**Duration: 1 hour**



Candidate forename					Candidate surname				
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Centre number						Candidate number			
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**INSTRUCTIONS TO CANDIDATES**

- The Insert will be found in the centre of this document.
- Write your name, centre number and candidate number in the boxes above. Please write clearly and in capital letters.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Write your answer to each question in the space provided. If additional space is required, you should use the lined pages at the end of this booklet. The question number(s) must be clearly shown.
- Do **not** write in the bar codes.

**INFORMATION FOR CANDIDATES**

- The number of marks is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **56**.
- You will be awarded marks in questions 2(b), 3(b)(i), 3(b)(ii) and 4(a) for the quality of written communication of your answer. Questions marked with a pencil (✉) will carry 3 additional marks for spelling, punctuation and grammar.
- This document consists of **12** pages. Any blank pages are indicated.

**SECTION A – Hot deserts and extreme environments generally**

Answer **all** questions.

- 1 Study Fig. 1 in the separate Insert.

- (a) Describe the distribution of hot deserts shown.

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..... [3]

- (b) Deserts are extreme environments. Which **three** of the following statements best describe the environment of any hot desert area?

Tick (✓) the box next to each correct statement.

annual average precipitation of less than 250 mm

covered with sand and no vegetation grows

high temperatures in the day and low temperatures at night

it never rains

low, flat land

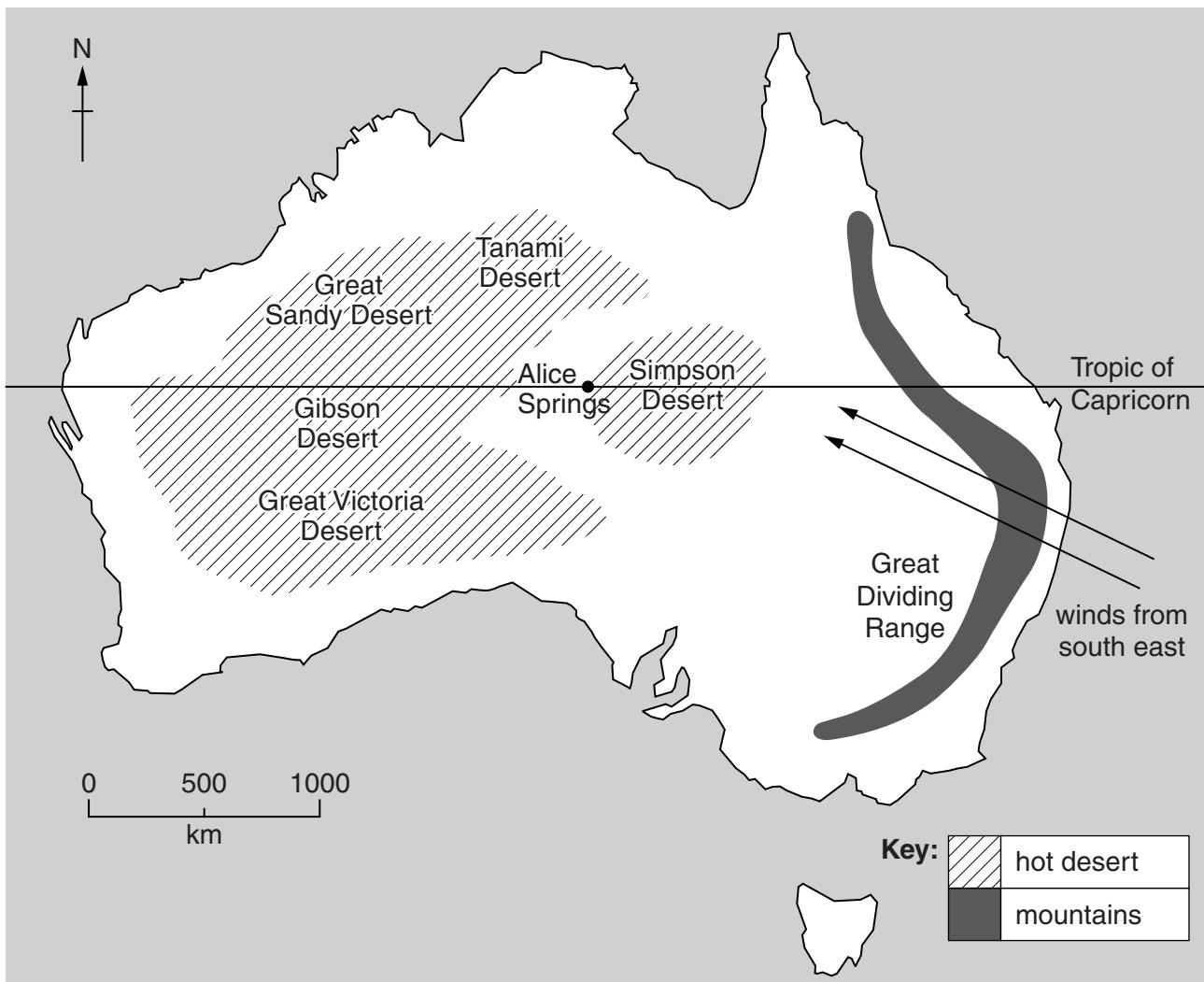
temperatures are always very high

untouched by people

vegetation is sparse

[3]

(c) Study Fig. 2.



**Fig. 2 Hot deserts in Australia**

Suggest **three** reasons why the hot deserts shown on Fig. 2 have a low annual average precipitation.

1 .....

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2 .....

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3 .....

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[3]

- (d) Study Fig. 3 and Photograph A in the separate Insert.

Fig. 3 and Photograph A show some information about a motorbike race in a hot desert area of Australia.

Suggest another resource which a spectator could use to find out about the environment along the route of the Finke Desert Race.

Explain how the resource will be useful to a spectator when planning the visit.

Resource .....

How it will be useful to a spectator .....

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[4]

- 2 (a) Name and describe **one** landform which can be found in a hot desert area.

Name of landform .....

Description .....

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[4]

- (b) Explain the formation of the landform which you named in 2(a). You must draw a fully labelled diagram to show the processes involved.

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[8]

**SECTION B – Your chosen extreme environment**

Answer **all** questions. Your answers in this section must refer to **either** a polar **or** a mountain environment.

(Circle) the extreme environment which you have studied.

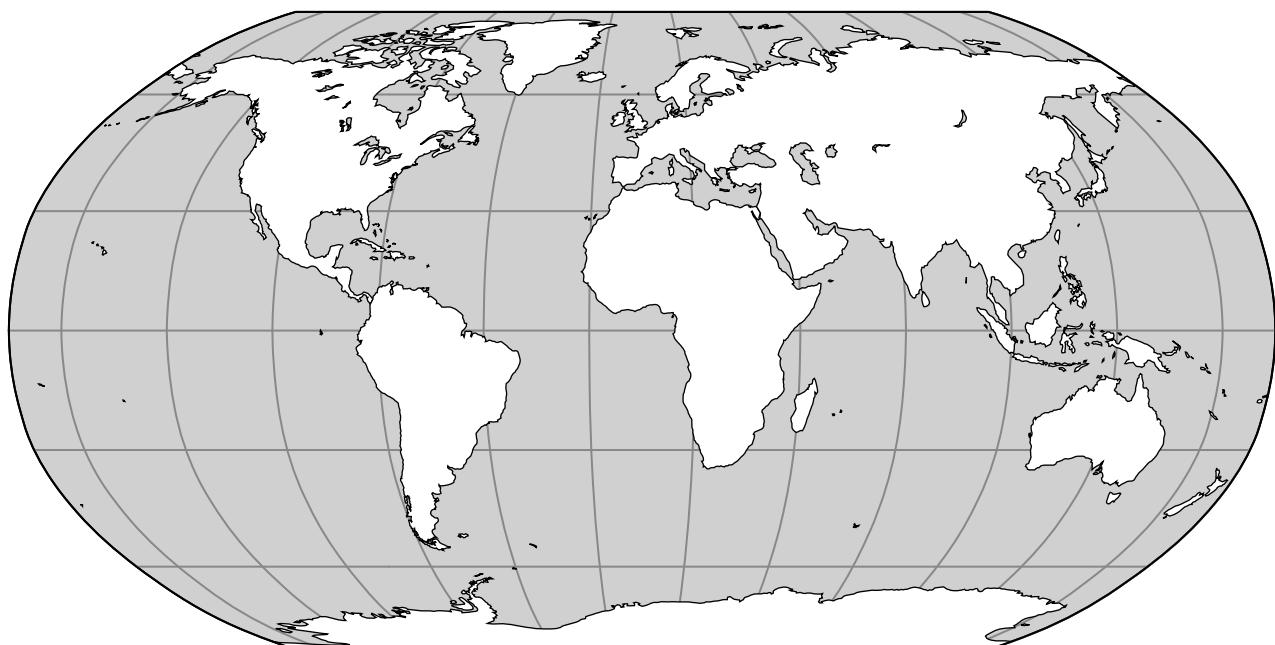
Polar                  Mountain

- 3 (a) (i) Describe the global distribution of this type of extreme environment.

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[2]

- (ii) Locate and name on the world map below the specific polar or mountain area which you have studied.



[1]

(b) For the area which you named in 3(a)(ii):

(i) Describe, using specific examples, how it is used by people in a variety of ways.

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[6]

- (ii) Evaluate the extent to which different groups of people are able to overcome the challenges posed by the environment. You should consider both physical and climatic challenges.

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[6]

 Spelling, punctuation and grammar [3]

4 Changes affect polar and mountain environments, including the area you have studied.

- (a) Describe **one** of these changes in your chosen polar or mountain area.  
Explain the impacts of this change on people **and** on the natural environment.

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[6]

 Spelling, punctuation and grammar [3]

- (b)** Explain how **one** of the impacts identified in **4(a)** could be reduced.

Impact chosen .....

How it could be reduced .....

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[4]

**END OF QUESTION PAPER**

**ADDITIONAL ANSWER SPACE**

If additional answer space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margins.

A large sheet of paper featuring a vertical margin line on the left side. To the right of this line are 21 horizontal dotted lines, spaced evenly apart, intended for handwritten responses. The paper is otherwise blank.

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