

Centre Number						Candidate Number				
Surname										
Other Names										
Candidate Signature										

For Examiner's Use	
Examiner's Initials	
Question	Mark
1	
2	
3	
4	
5	
6	
TOTAL	



General Certificate of Secondary Education  
Foundation Tier  
Specimen Paper 2013 SPaG

# Geography (Specification B)

40352F

## Unit 2: Hostile World

**F**

Date: Time:

<p><b>For this paper you must have:</b></p> <ul style="list-style-type: none"> <li>the insert ( enclosed)</li> <li>a ruler</li> </ul> <p>You may use a calculator.</p>
--

### Time allowed

1 hour

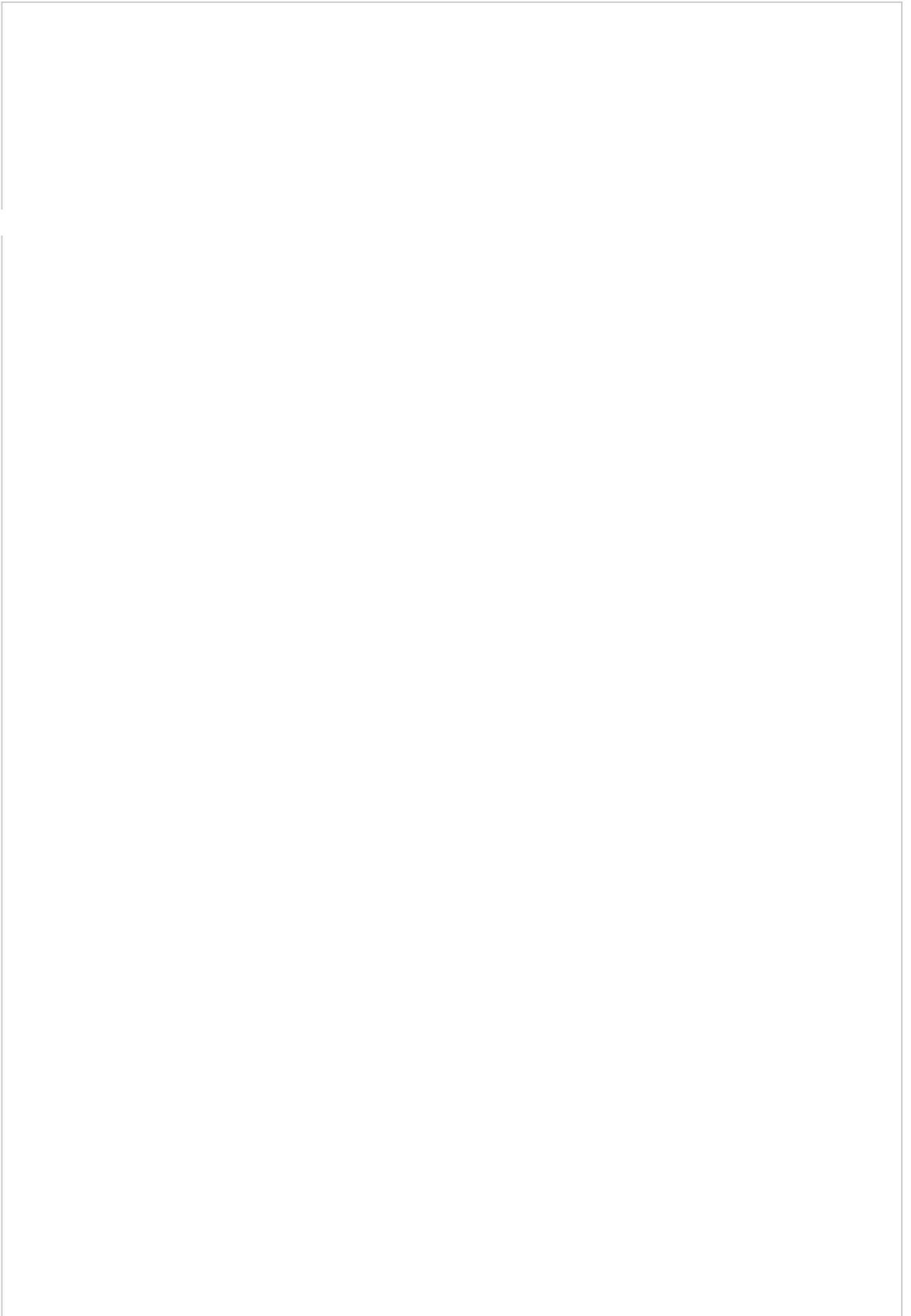
### Instructions

- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **either** Section A **or** Section B.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.
- Do all rough work in this book. Cross through any work you do not want to be marked.

### Information

- The maximum mark for this paper is 56.
- The marks for questions are shown in brackets
- You will be marked on your ability to:
  - use an appropriate form and style of writing
  - organise relevant information clearly and coherently
  - use specialist vocabulary where appropriate
- Spelling Punctuation and Grammar will be assessed in questions 1(e), 3(b)(ii), 5(e) and 6(b)(ii). The marks available for Spelling, Punctuation and Grammar (**SPaG**) are shown below the mark allocation for each question.





**SECTION A - LIVING WITH NATURAL HAZARDS**

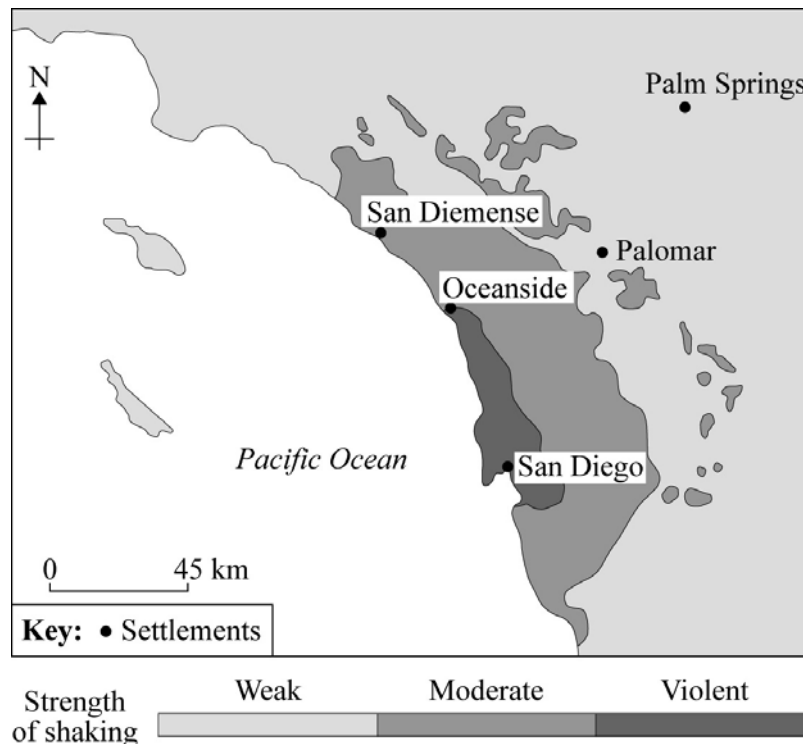
Answer **either** Section A **or** Section B

**Total for this question: 19 marks**

**1 Tectonic Hazards**

1 Study **Figure 1** which gives information about an earthquake in California, USA.

**Figure 1**



1 (a) (i) What was the strength of shaking in San Diego?

.....

.....

(1 mark)

1 (a) (ii) Suggest why there was little earthquake damage in Palm Springs.

.....

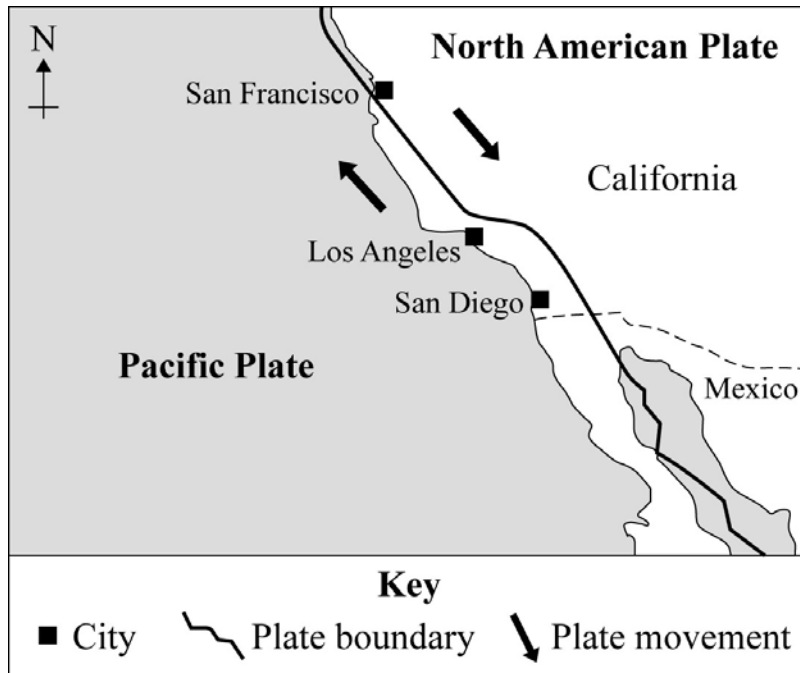
.....

(1 mark)

1 (b) Study **Figure 2**, a map of plate boundaries in North America.



**Figure 2**



Which **one** of the following statements is a cause of the earthquake in California?  
Tick the correct box.

	Cause
The Pacific Plate and the North American Plate are moving apart.	<input type="checkbox"/>
The Pacific Plate is sliding past the North American Plate.	<input type="checkbox"/>
The Pacific Plate is being pushed below the North American Plate.	<input type="checkbox"/>

(1 mark)



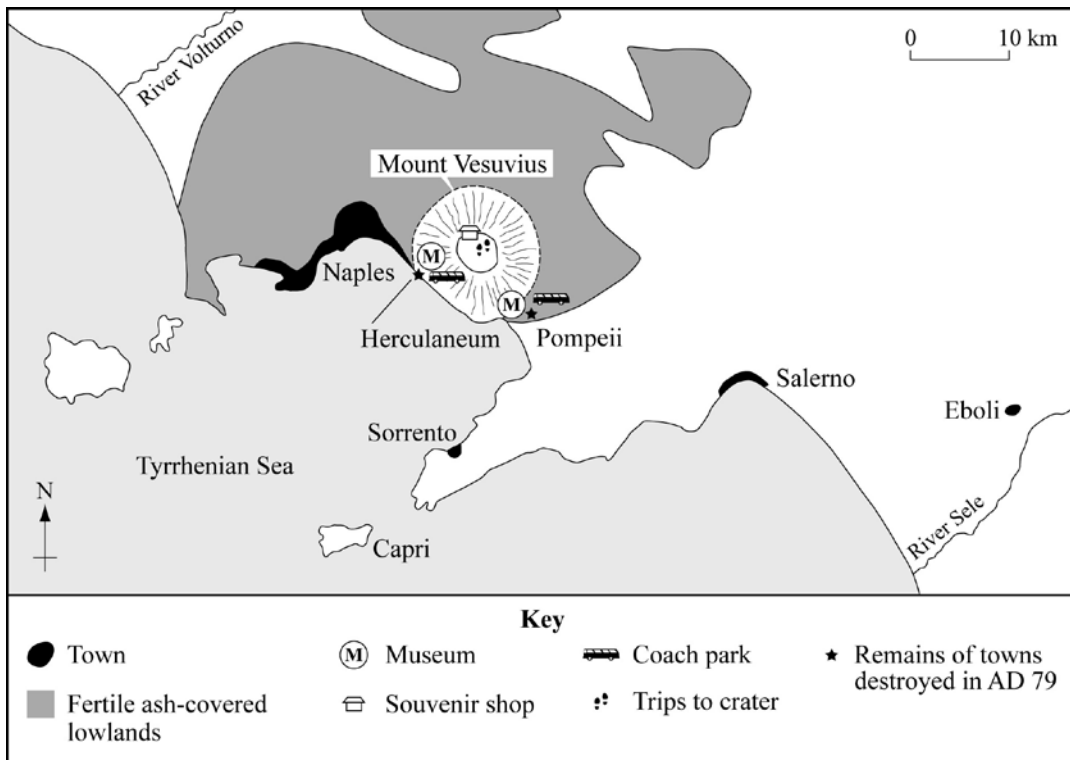
1 (c) Give **three** reasons why volcanoes are a hazard to people.

- 1 .....
- .....
- 2 .....
- .....
- 3 .....
- .....

(3 marks)

1 (d) Study **Figure 3** which shows the area around Mount Vesuvius, a volcano in Italy.

**Figure 3**



1 (d) (i) Name **one** of the towns that was destroyed by the eruption in AD79.

.....  
(1 mark)



**1 (d) (ii)** Despite the risks, people continue to live close to Mount Vesuvius. With the help of **Figure 3**, suggest **three** reasons why.

1 .....

.....

2 .....

.....

3 .....

.....

*(3 marks)*

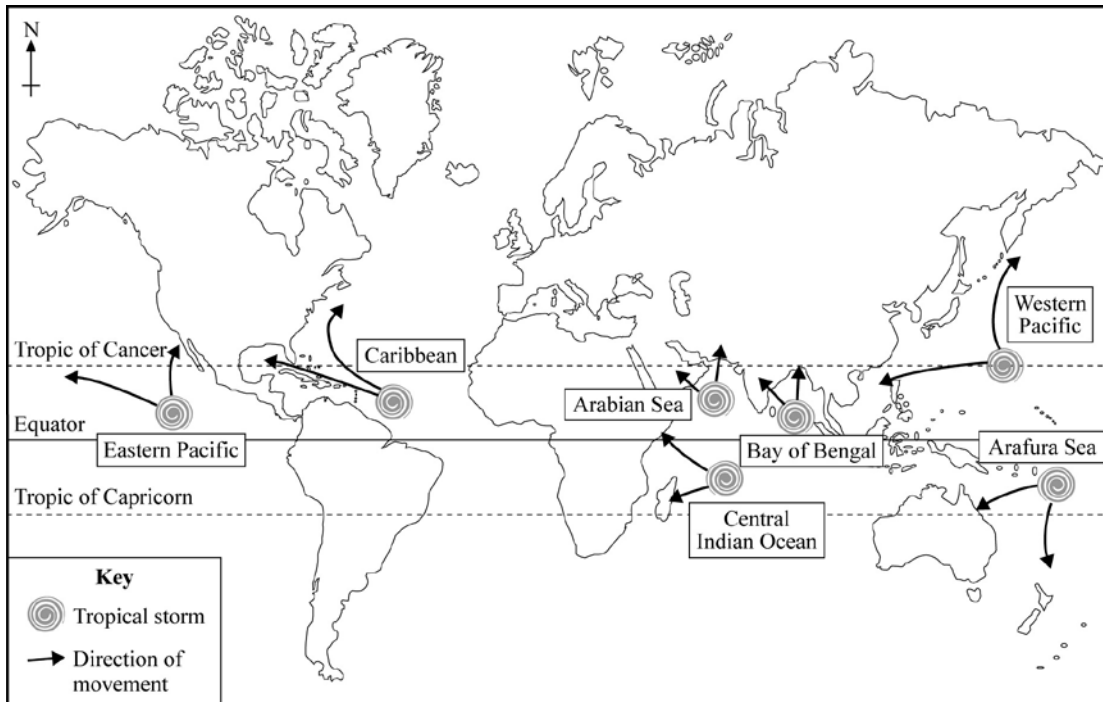
**Question 1 continues on the next page**





**Total for this question: 20 marks****2 Tropical Storms**

- 2 (a)** Study **Figure 4** which shows the world distribution of tropical storms.

**Figure 4**

Complete the sentences below. Circle the correct answer in each set of brackets.

- 2 (a) (i)** Tropical storms occur over warm

[ countries / continents / oceans ]

(1 mark)

- 2 (a) (ii)** Tropical storms are found between the Tropics of Cancer and the

[ Equator / Tropic of Capricorn / Bay of Bengal ]

(1 mark)

**Question 2 continues on the next page**





2 (b) Study **Figure 5** on the insert, which shows the path taken by a tropical storm (Hurricane Ivan) in September 2004.

2 (b) (i) Complete the paragraph below which describes the path of Hurricane Ivan.

Choose the **two** correct answers from the list below.

- |                       |                       |                        |
|-----------------------|-----------------------|------------------------|
| <b>east</b>           | <b>west</b>           | <b>north</b>           |
| <b>2<sup>nd</sup></b> | <b>8<sup>th</sup></b> | <b>14<sup>th</sup></b> |

Hurricane Ivan developed over the Atlantic Ocean. It travelled  
 ..... before striking the northern tip of South America and  
 the islands of the Caribbean. It reached its maximum strength on  
 ..... September.

(2 marks)

2 (b) (ii) Suggest why the tropical storm (Hurricane Ivan) decreased in strength after September 15<sup>th</sup>.

.....

.....

.....

.....

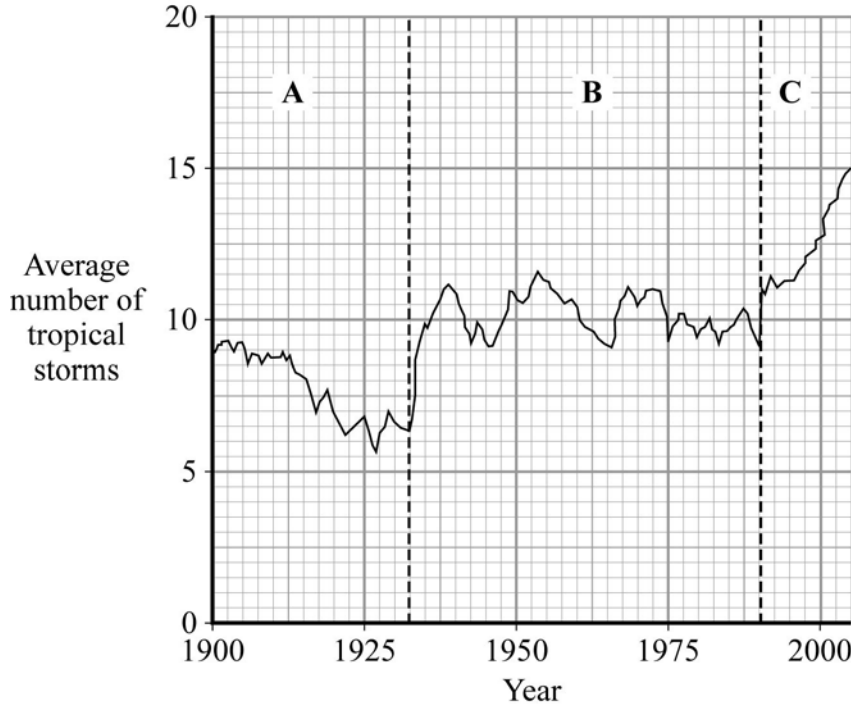
(2 marks)



Barcode

2 (c) Study **Figure 6m** which shows the average number of tropical storms in the Atlantic Ocean between 1900 and 2005.

**Figure 6**



2 (c) (i) Which section of the graph (**A**, **B** or **C**) does **each** of the following statements describe?

Statement	Letter
A period when there were an average of fewer than 10 tropical storms each year.	
A period when there was an average of more than 10 tropical storms each year.	

(2 marks)

2 (c) (ii) What happened to the number of tropical storms in the Atlantic between 1990 and 2005?

.....

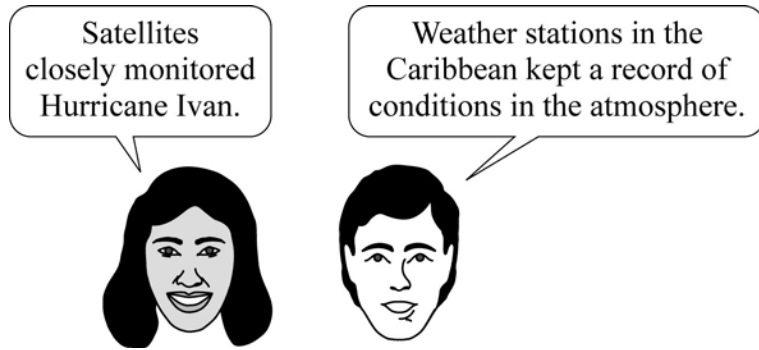
.....

(1 mark)





**Figure 8**



With the help of **Figure 8** and **Figure 5** on the insert, suggest **two** ways in which modern technology helped the USA prepare for the tropical storm (Hurricane Ivan).

1 .....

.....

.....

.....

.....

2 .....

.....

.....

.....

(4 marks)

20

**Turn over for the next question**



**Total for this question: 17 marks**

**3 Wildfires**

**3 (a)** Study **Figure 9**, a newspaper article about a wildfire in Greece.

**Figure 9**

**August 25th 2007**

**Wildfires Spread Through Greece**

Massive forest fires that killed 51 people have burned across Greece, where the government has declared a state of emergency. Three fire fighting planes and two helicopters were used to try and put the fires out. People fled in panic from villages as their houses were destroyed. The authorities evacuated hundreds of people trapped by flames in villages, hotels and resorts. The army was called in to create a firebreak, 12 countries sent fire fighters and six water-dropping planes from France and Italy joined the operations. Thick smoke blocked out the summer sun and people were treated in hospitals for burns and breathing problems.

**3 (a) (i)** From **Figure 9**, give **two** effects of the wildfire.

1 .....

.....

2 .....

.....

*(2 marks)*

**3 (a) (ii)** From **Figure 9**, give **two** ways in which local people and the authorities responded to the wildfire.

1 .....

.....

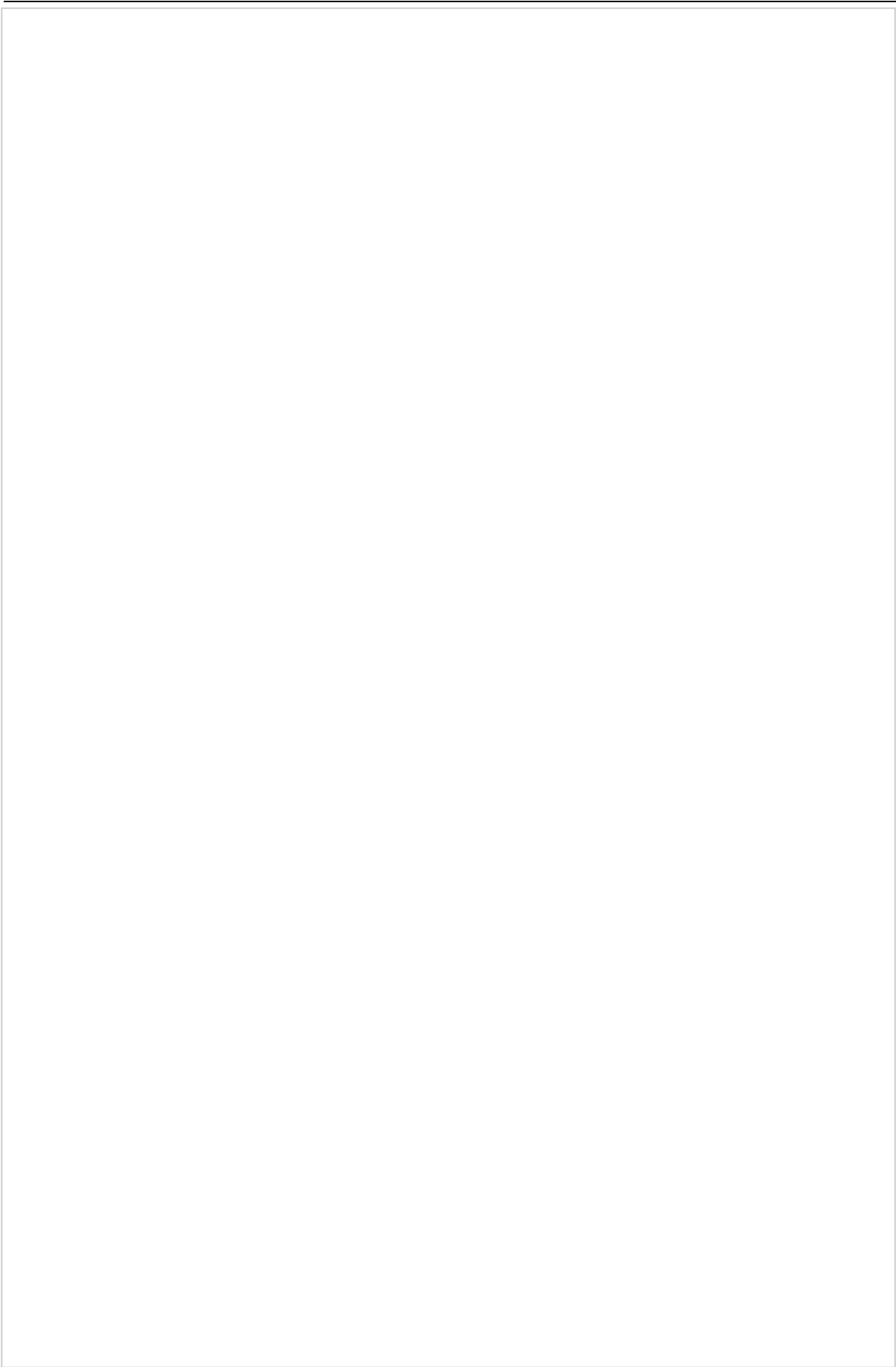
2 .....

.....

*(2 marks)*

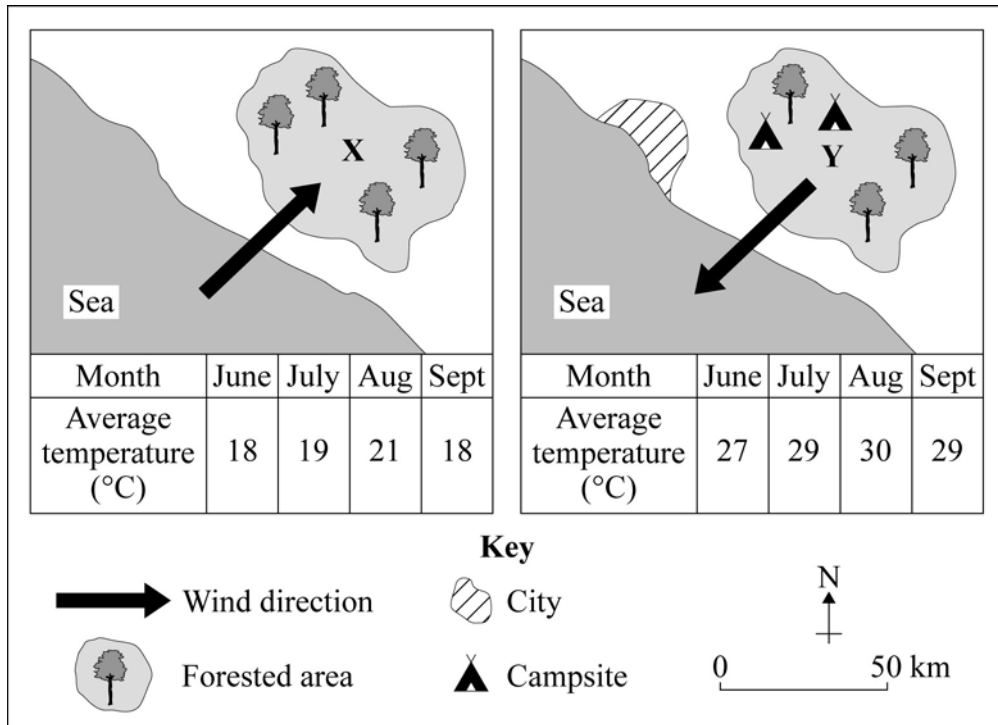


Barcode



- 3 (b) Study **Figure 10**, which shows two forested areas and information about summer temperatures in each.

**Figure 10**



- 3 (b) (i) Which of the forested areas (X or Y) is most at risk from wildfires?

.....

(1 mark)

Question 3 continues on the next page

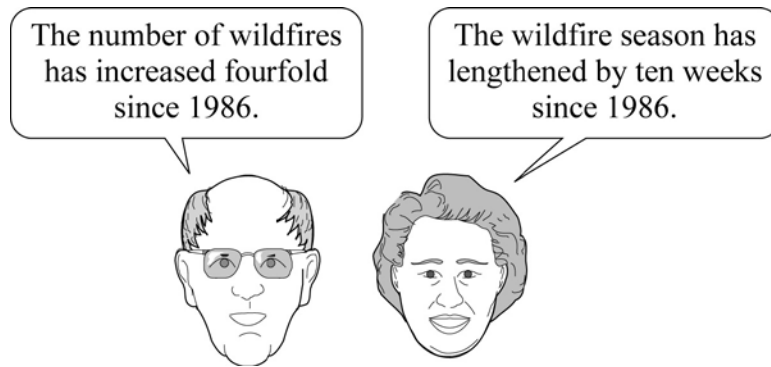






3 (c) Study **Figure 11**, comments made by two scientists about western USA.

**Figure 11**



Suggest **two** reasons for the changes shown in **Figure 11**.

1 .....

.....

2 .....

.....

(2 marks)

17
----

**END OF SECTION A**



**SECTION B - THE CHALLENGE OF EXTREME ENVIRONMENTS**Answer **either** Section A **or** Section B**Total for this question: 16 marks****4 The Hot Desert Environment****4 (a)** Study **Figure 12**, on the insert, a map of climate in different parts of the world.**4 (a) (i)** Which **one** of the following statements is **True**? Tick the correct box.**True**

All hot desert regions are in the northern hemisphere.

All hot desert regions are between the Tropics.

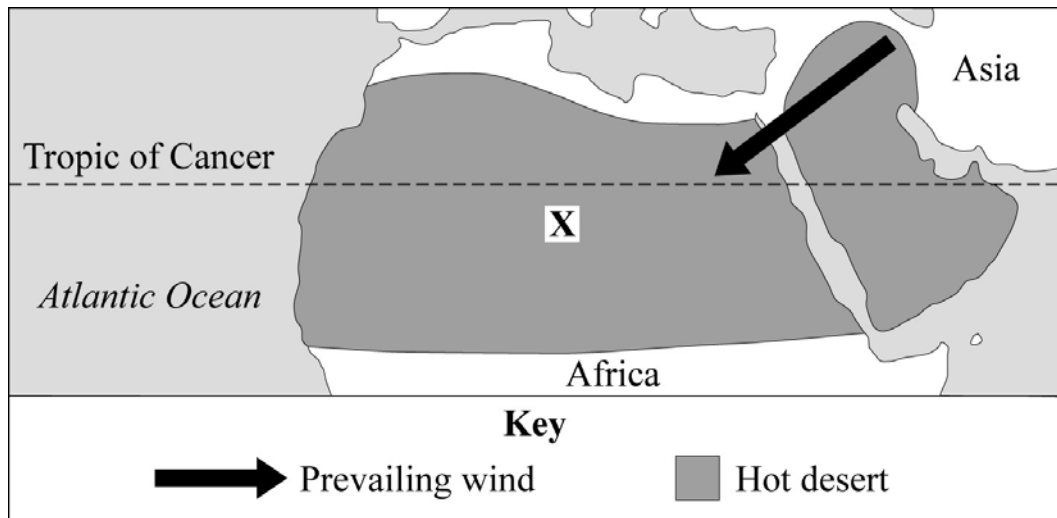
No hot desert regions lie on the equator.

*(1 mark)*

Barcode

4 (a) (ii) Study **Figure 13**, a map of a hot desert area.

**Figure 13**



Which **one** of the following statements is a reason why the area shown as **X** is a hot desert? Tick the correct box.

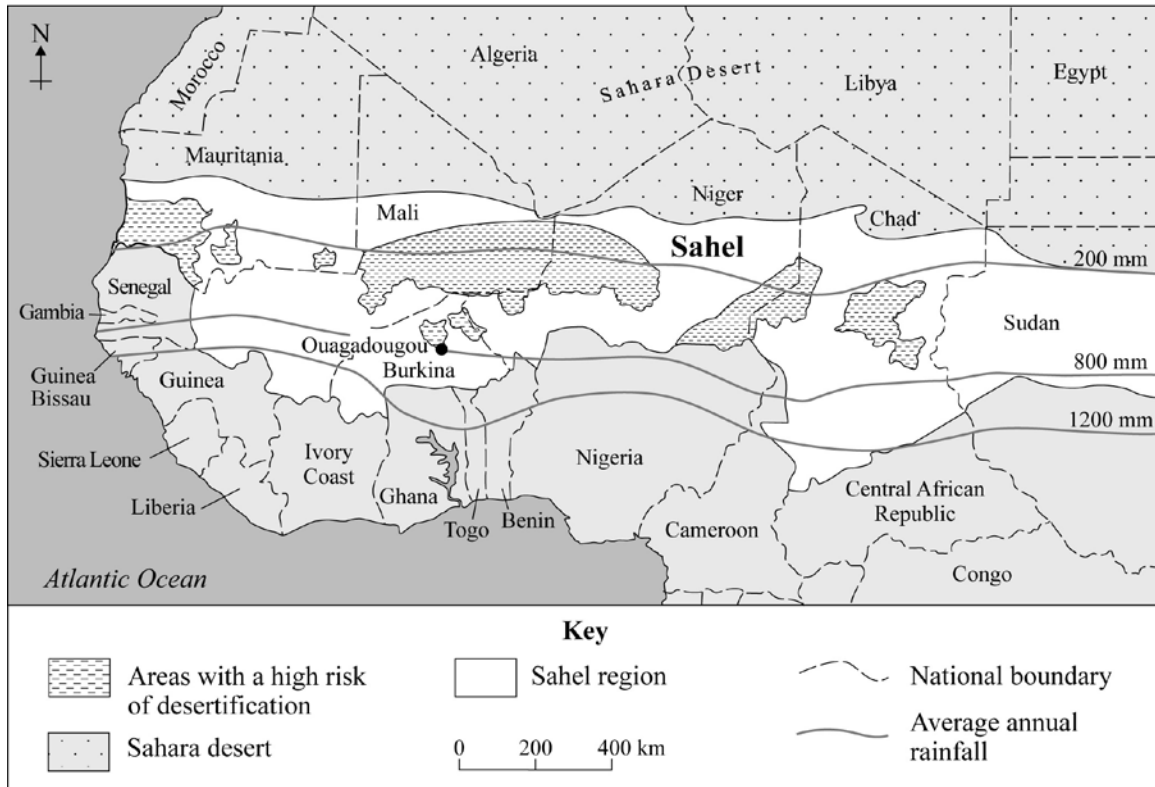
- |   | Cause                    |
|---|--------------------------|
| The winds carry moisture from the Atlantic Ocean. | <input type="checkbox"/> |
| Dry winds from Asia bring no moisture.            | <input type="checkbox"/> |
| Dry winds from Southern Africa bring no moisture. | <input type="checkbox"/> |
- (1 mark)

**Question 4 continues on the next page**



4 (b) Study **Figure 14**, a map of the Sahel region of Africa.

**Figure 14**



4 (b) (i) Name **one** country in the Sahel region of Africa in which the risk of desertification is very high.

.....  
 (1 mark)

4 (b) (ii) Using evidence from **Figure 14**, suggest why the risk of desertification increases as you go north from Ouagadougou.

.....  
 .....  
 .....  
 .....  
 .....  
 (2 marks)



**4 (b) (iii)** Give **two** effects that global climate change may have on an area such as the Sahel.

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

(2 marks)

**4 (c)** Give **three** reasons why too many people living in an area such as the Sahel can lead to desertification.

1 .....

.....

2 .....

.....

3 .....

.....

(3 marks)

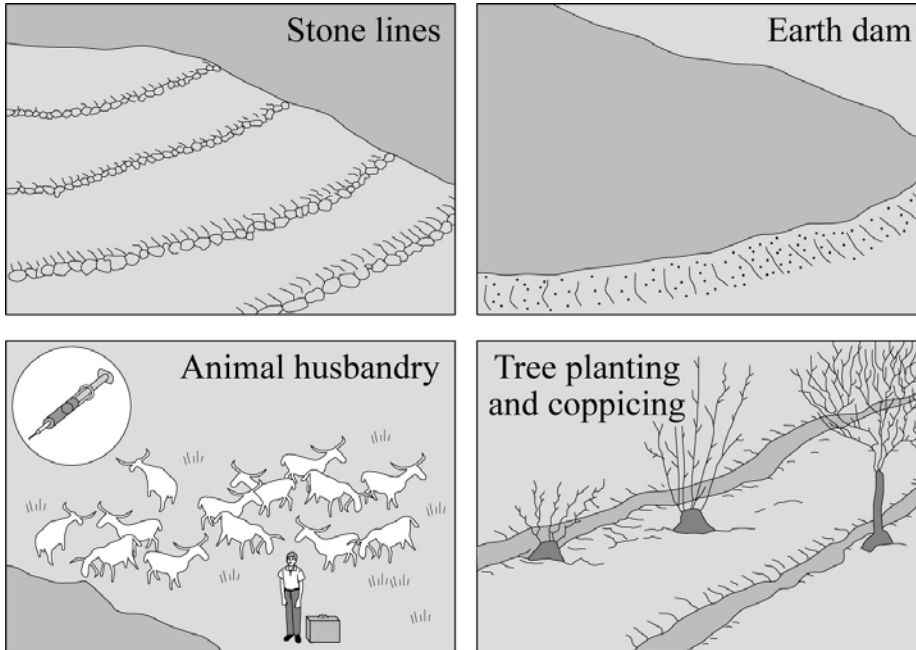
**Question 4 continues on the next page**



Barcode

4 (d) Study **Figure 15**, some methods used to reduce desertification.

**Figure 15**



4 (d) (i) With the help of **Figure 15**, suggest how the problem of desertification may be reduced.

.....

.....

.....

.....

.....

.....

.....

.....

(4 marks)



**4 (d) (ii)** Suggest why **one** of the methods shown in **Figure 15**, would be suitable for a country with a low level of economic development.

.....

.....

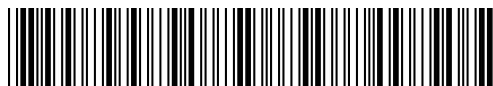
.....

.....

(2 marks)

16
----

**Turn over for the next question**



Barcode

**Total for this question: 23 marks**

**5 The Hot Tropical Rainforest Environment**

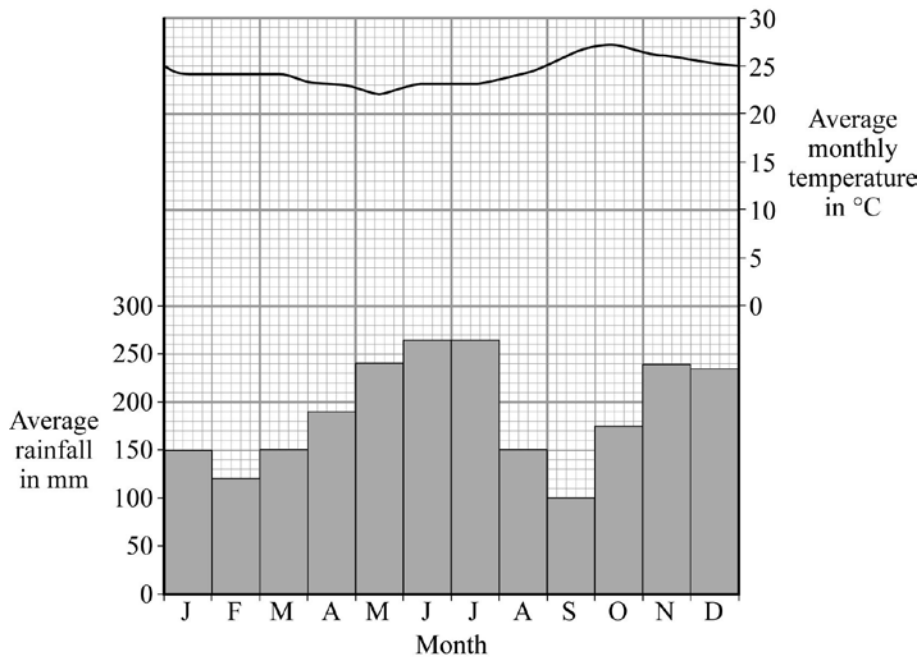
**5 (a)** Study **Figure 12** on the insert, a map of climate in different parts of the world. Complete the sentences below. Circle the correct answer in each set of brackets.

**5 (a) (i)** There are areas of tropical rainforest in [ **four** / **six** / **seven** ] continents. (1 mark)

**5 (a) (ii)** The [ **Tropic of Capricorn** / **Equator** / **Tropic of Cancer** ] runs through many areas of tropical rainforest. (1 mark)

**5 (b)** Study **Figure 16**, a climate graph for an area of tropical rainforest in Amazonia, Brazil.

**Figure 16**



**5 (b) (i)** Complete the paragraph below, which describes the climate in an area of tropical rainforest. Choose the **two** correct answers from the list below.

- |            |            |            |
|------------|------------|------------|
| <b>250</b> | <b>265</b> | <b>300</b> |
| <b>25</b>  | <b>27</b>  | <b>30</b>  |

The average temperature in the hottest month is ..... °C.

The average rainfall in the wettest months is ..... mm.

(2 marks)





5 (b) (ii) Give **two** reasons why a pattern of climate such as that shown in **Figure 16** leads to the growth of tropical rainforest.

1 .....

.....

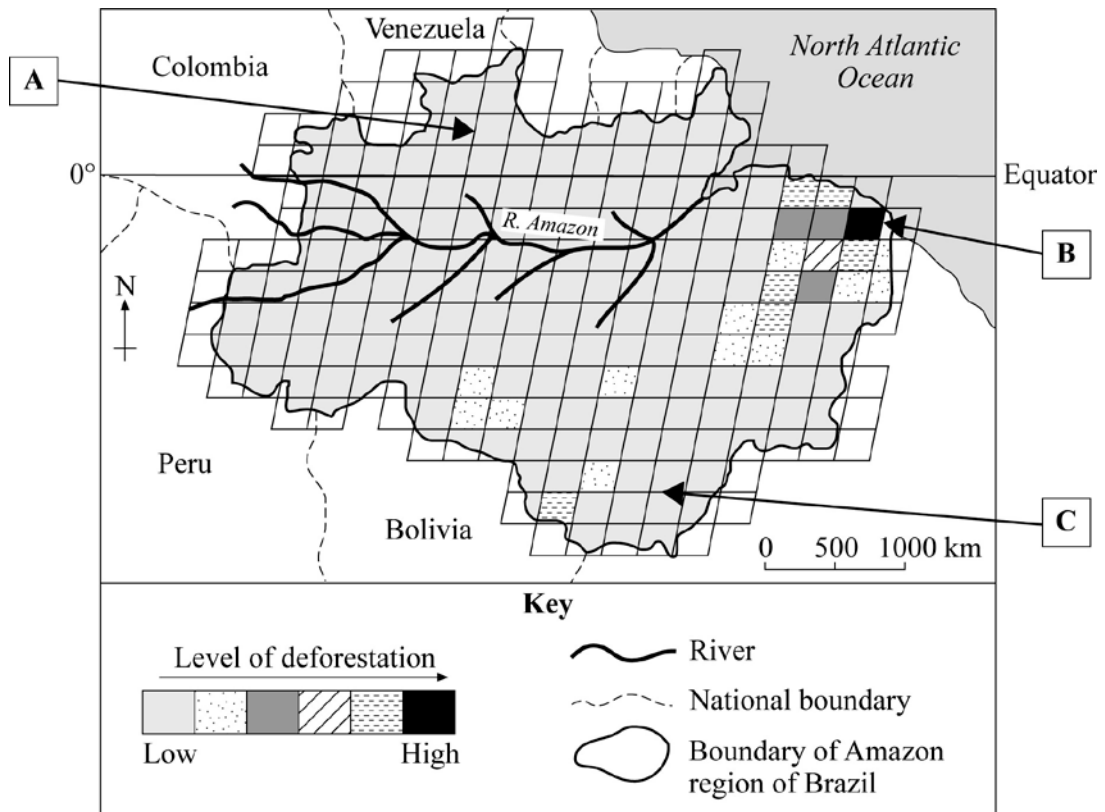
2 .....

.....

(2 marks)

5 (c) Study **Figure 17** which shows deforestation in Amazonia, Brazil.

**Figure 17**



Which area of the map (A, B or C) does each of the following statements describe? Place the correct letter in the boxes below.

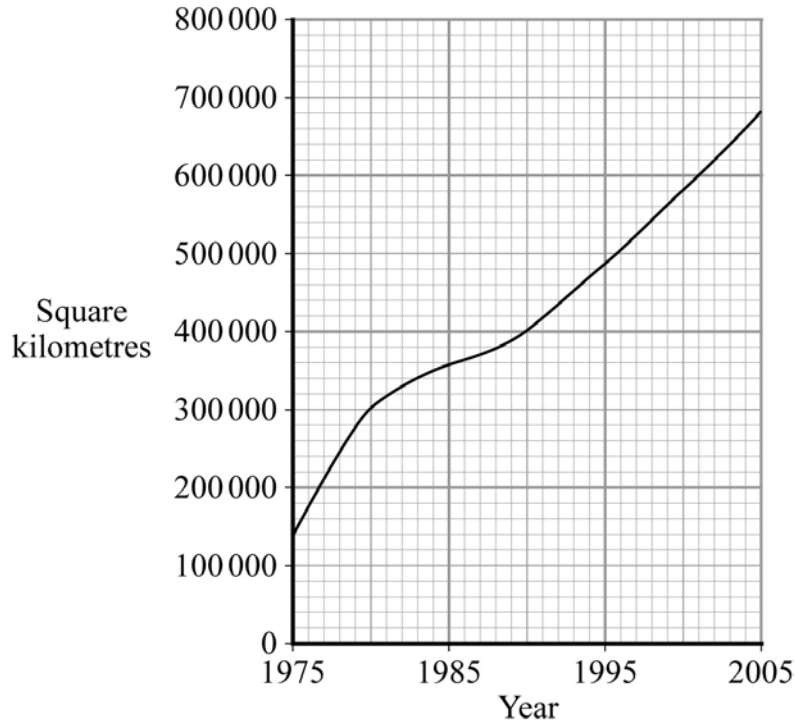
Statement	Letter
An area of low level deforestation to the north of the Equator.	
An area of high level deforestation to the east of Amazonia.	

(2 marks)



5 (d) Study **Figure 18**, a graph to show the deforestation rates in Amazonia (1975 to 2005).

**Figure 18**



5 (d) (i) What happened to the amount of tropical rainforest in Amazonia between 1975 and 2005?

.....  
.....

(1 mark)

5 (d) (ii) Suggest **one** reason for your answer to (d)(i) above.

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

(2 marks)





**5 (f)** Give **two** reasons why it is important to conserve areas of tropical rainforest.

1 .....

.....

.....

2 .....

.....

.....

.....

(4 marks)

23



**Total for this question: 17 marks**

**6 The Cold Environment**

**6 (a)** Study **Figure 20**, a newspaper article about an oil spill in Alaska.

**Figure 20**

**11 March 2006**

**Alaska hit by massive oil spill**

An oil spill discovered at Prudhoe Bay is the largest ever on Alaska's North region. Up to one million litres of crude oil leaked from a corroded pipeline and covered about one hectare of the snow-covered tundra. An aircraft fitted with an infrared detection device flew over the site in order to find the source of the leak. The pipeline was then shut down and workers began using a vacuum truck to recover some of the oil, which had turned to gel on the frozen ground. Dangerous fumes were released into the air and stopped workers getting to the spill straightaway.

If the oil cannot be cleared up before the arrival of the short tundra summer it will affect herds of caribou, which migrate across the area. It will also damage the grasses and plants, which appear in the summer and could run into a lake affecting the wildlife.

**6 (a) (i)** From **Figure 20**, give **two** possible effects of the oil spill.

- 1 .....
- .....
- 2 .....
- .....

*(2 marks)*

**6 (a) (ii)** From **Figure 20**, give **two** ways in which people responded to the oil spill.

- 1 .....
- .....
- 2 .....
- .....

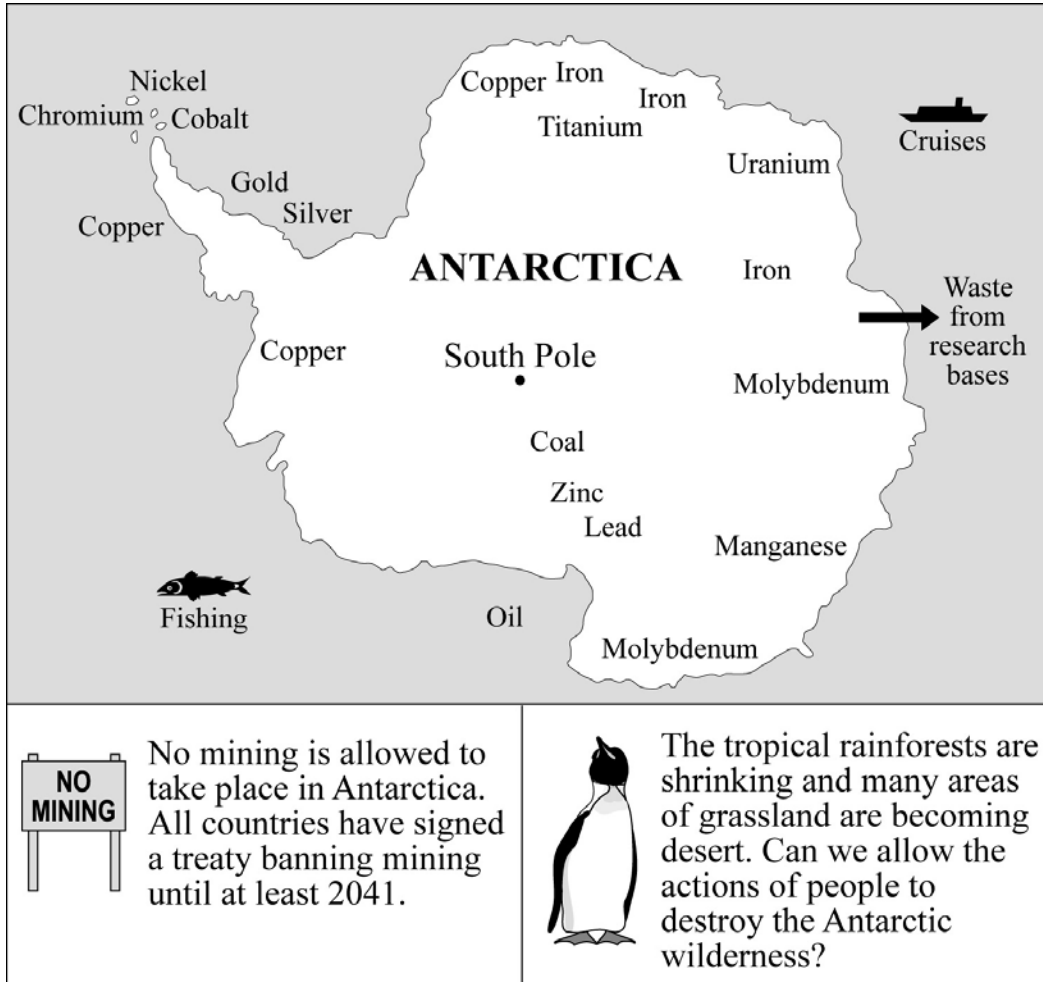
*(2 marks)*



Barcode

6 (b) Study **Figure 21** which shows mineral deposits and some activities in Antarctica.

**Figure 21**



6 (b) (i) From **Figure 21** give **one** activity, taking place today, which damages the environment of **Antarctica**.

.....

.....

(1 mark)





#### ACKNOWLEDGEMENT OF COPYRIGHT-HOLDERS AND PUBLISHERS

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements in future papers if notified.

Question 1	Figure 3	T W RANDLE, <i>Geographical Studies in Western Europe</i> , Pearson Education
Question 2	Figure 5	University of Wisconsin – CIMSS TC Group
Question 2	Figure 6	New Scientist
Question 2	Figure 7	CIA <i>The World Factbook</i>
Question 4	Figure 12	Keith Flinders, David Gardner, Greg Hart, Nic Howes, John Belfield, John Pallister and Brian Smith, <i>A New Introduction to Geography for OCR Syllabus A</i> , Hodder Murray, 2001, © 2001, Keith Flinders, David Gardner, Greg Hart, Nic Howes, John Belfield, John Pallister and Brian Smith. Reproduced by permission of John Murray (Publishers) Ltd.

Copyright © 2012 AQA and its licensors. All rights reserved.



Barcode