



National
Qualifications
2018

X833/75/11

Geography

TUESDAY, 1 MAY

1:00 PM — 3:20 PM

Total marks — 80

SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks

Attempt **EITHER** question 1 **OR** question 2.

THEN attempt questions 3 to 7.

SECTION 2 — HUMAN ENVIRONMENTS — 30 marks

Attempt **ALL** questions.

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any **TWO** of the following.

Question 13 — Climate change

Question 14 — Natural regions

Question 15 — Environmental hazards

Question 16 — Trade and globalisation

Question 17 — Tourism

Question 18 — Health

You will receive credit for appropriately labelled sketch maps and diagrams.

Write your answers clearly in the answer booklet provided. In the answer booklet you must clearly identify the question number you are attempting.

Use **blue or black ink**.

Before leaving the examination room you must give your answer booklet to the Invigilator; if you do not, you may lose all the marks for this paper.



* X 8 3 3 7 5 1 1 *

SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks**Attempt EITHER question 1 OR question 2****THEN questions 3 to 7****Question 1 — Coastal landscapes**

- (a) Study the Ordnance Survey map extract (Item A) of the Strathy area.

Match these grid references with the correct coastal features.

Grid references: **827694, 812681 and 843662.**

Choose from features: cliff; stack; sand spit; arch.

3

- (b) Explain the formation of a sand spit. You may use a diagram(s) in your answer.

4

Now attempt questions 3 to 7

Do not attempt question 2 if you have already answered question 1

Question 2 — Rivers and their valleys

- (a) Study the Ordnance Survey map extract (Item A) of the Strathy area.

Match these grid references with the correct river features.

Grid references: **893618, 883627 and 895589.**

Choose from features: v-shaped valley; flood plain; meander; ox-bow lake.

3

- (b) Explain the formation of a meander. You may use a diagram(s) in your answer.

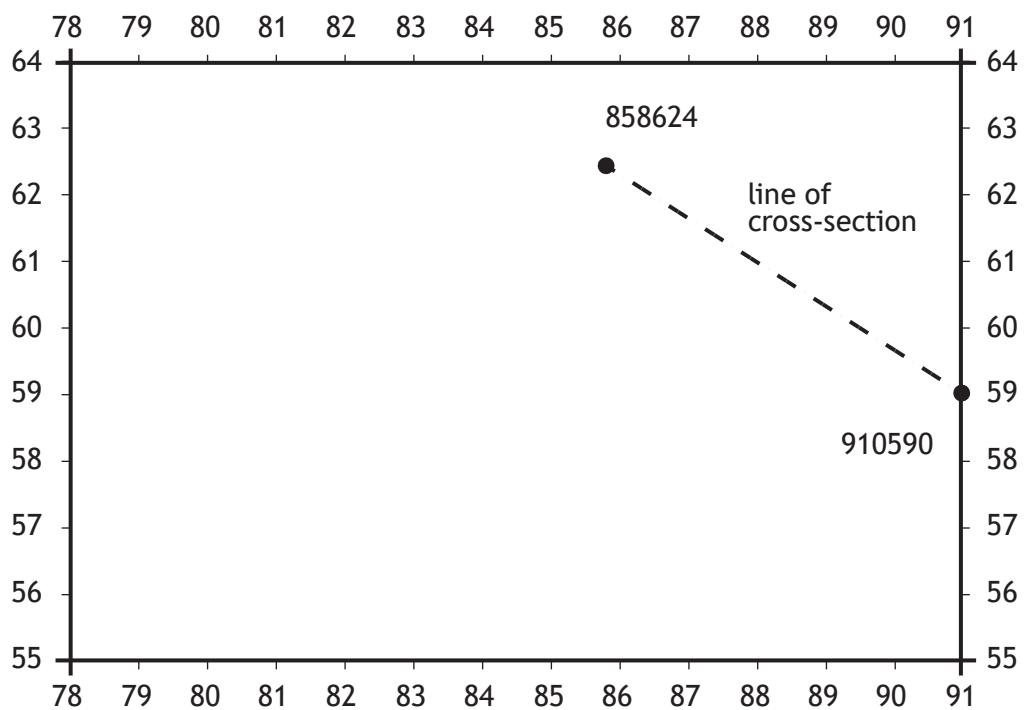
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Now attempt questions 3 to 7

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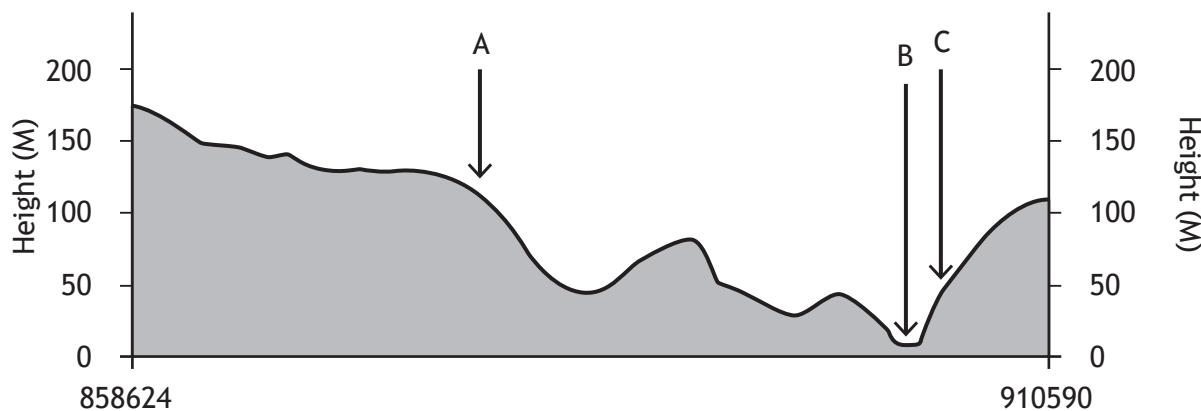
Question 3

Diagram Q3A: Cross-section GR 858624 to GR 910590



Question 3 (continued)

Diagram Q3B: Cross-section



Study the Ordnance Survey map extract (Item A) of the Strathy area and Diagrams Q3A and Q3B.

Match the letters A–C with the correct features.

3

Choose from the features below.

Halladale River; track; forestry; electricity transmission lines.

[Turn over

Question 4**Diagram Q4: Quote from local council official**

“This area has the potential for a variety of different land uses including

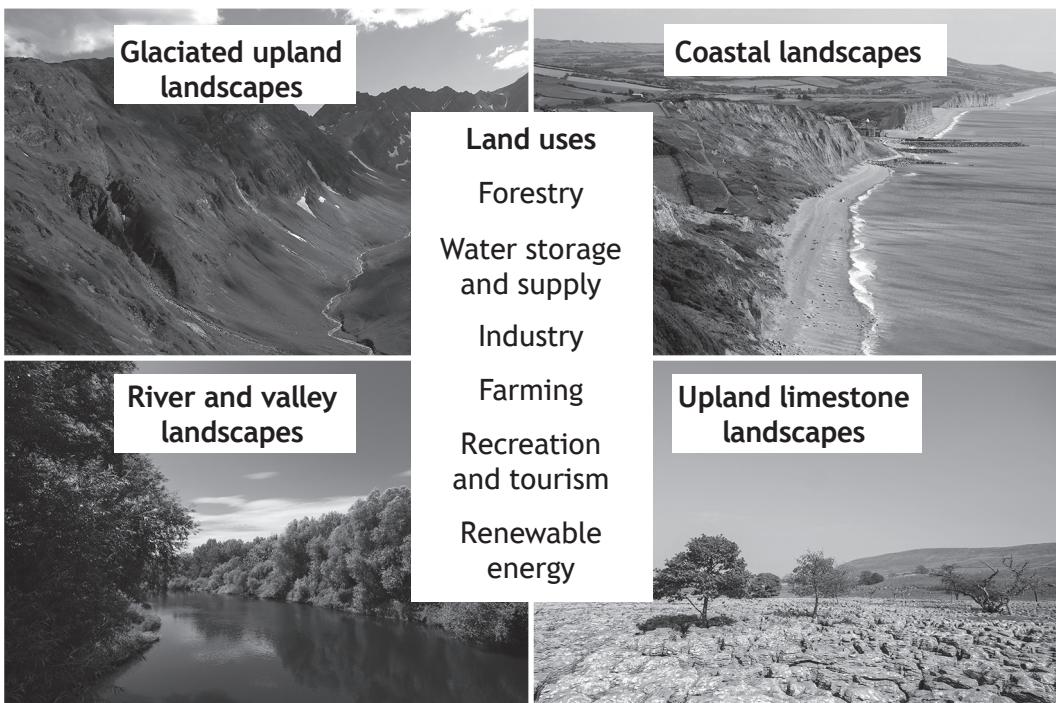
- farming
- forestry
- recreation/tourism
- water storage/supply
- industry
- renewable energy.”

Study Diagram Q4 and the Ordnance Survey map extract (Item A) of the Strathy area.

Choose **two** different land uses listed in Diagram Q4.

Using map evidence, **explain** how the area shown on the map extract is suitable for your two chosen land uses.

5

Question 5**Diagram Q5: Selected land uses**

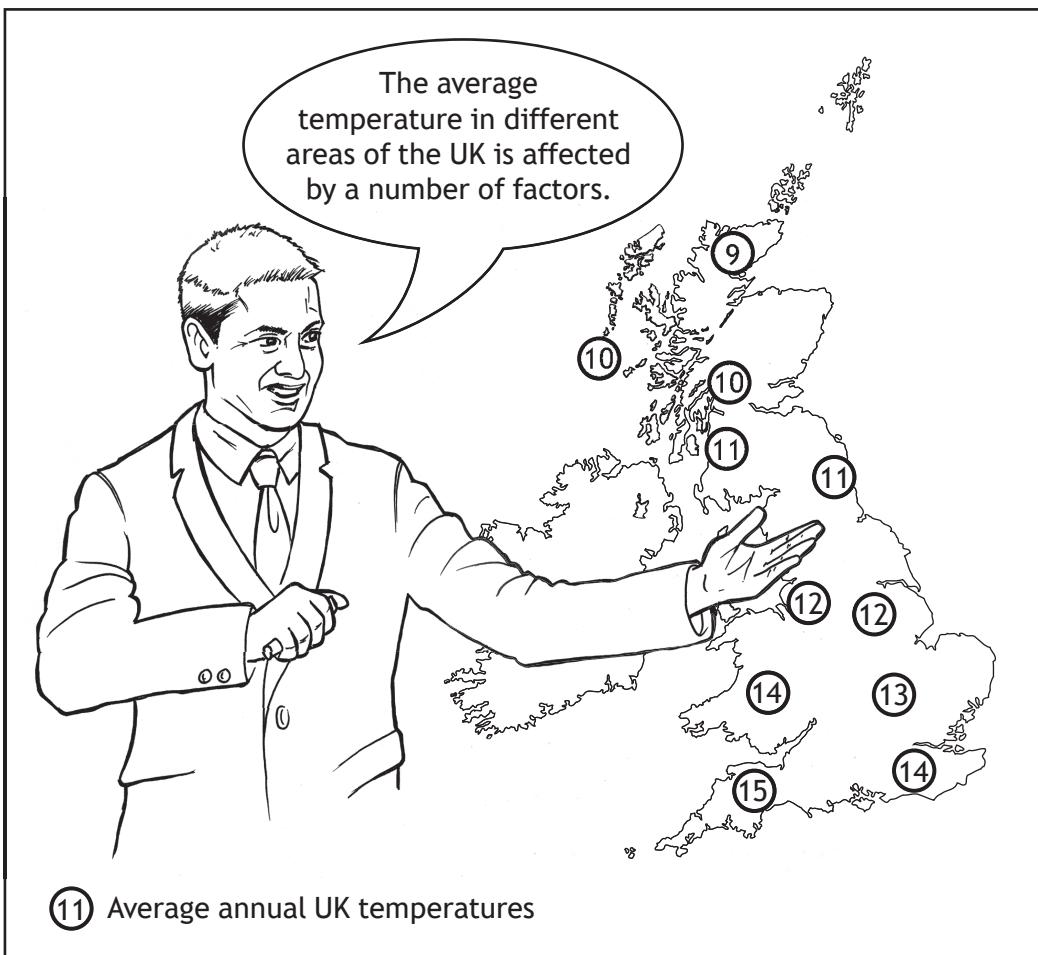
Look at Diagram Q5.

Choose **one** landscape type from Diagram Q5.

For a named area you have studied, **explain in detail** ways in which land use conflicts may be managed.

6

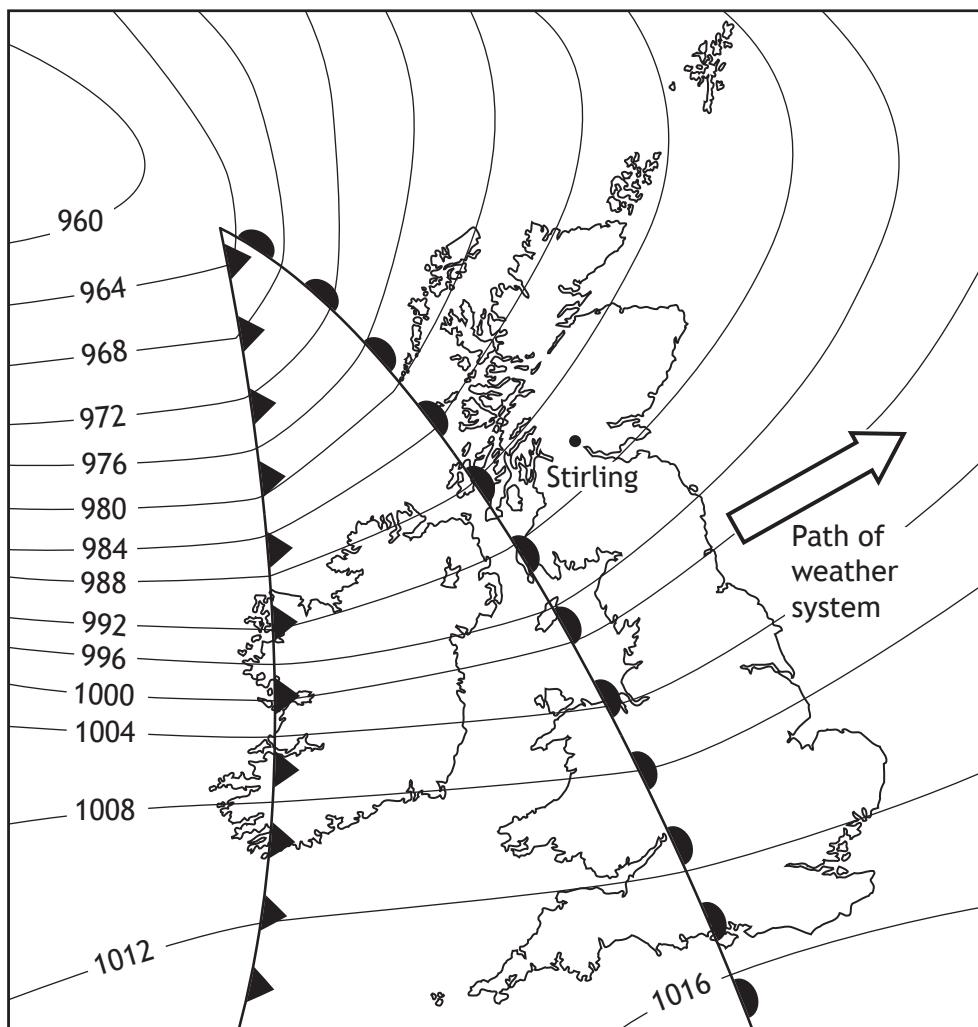
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Question 6**Diagram Q6: Average annual UK temperatures**

Look at Diagram Q6.

Explain the factors which affect average temperatures in the UK.

4

Question 7**Diagram Q7: Synoptic chart for Monday, 16 April 2016 at 8am**

Study Diagram Q7 above.

Explain the changes that will take place in the weather in Stirling over the next 24 hours.

5

[Turn over

SECTION 2 — HUMAN ENVIRONMENTS — 30 marks**Attempt ALL questions****Question 8**

Study the Ordnance Survey map extract (Item B) of the Oxford area.

Measure the three distances (A, B and C) between the places shown in the table.

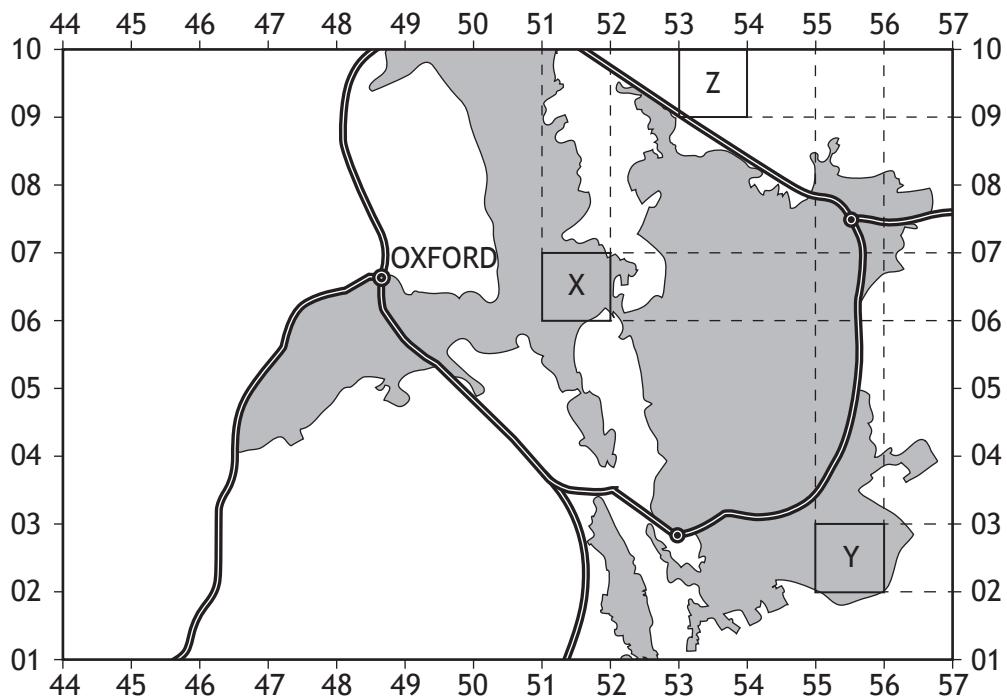
Match your answers for A, B and C with the distances given below.

A	From the public telephone in Henwood (4702) to the school near Rose Hill (5303)
B	From Forest Farm (5410) to the church in Stanton St John (5709)
C	From Waterperry Gardens (6206) to the College (5502)

Choose from the following distances:

8·25 km 3·75 km 6·25 km 12·5 km

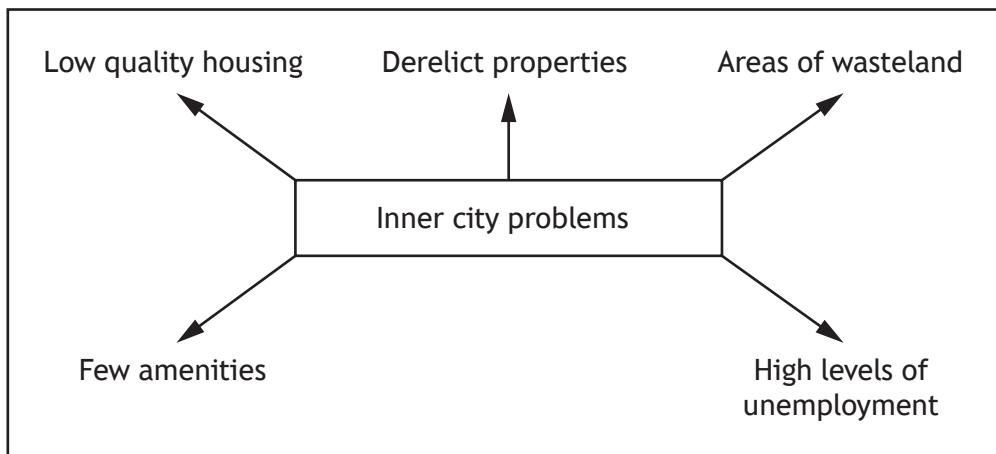
3

Question 9**Diagram Q9**

Study Diagram Q9 and the Ordnance Survey map extract (Item B) of the Oxford area.

- (a) Give map evidence to explain why Area X is the CBD and Area Y is the suburbs. 4
- (b) There is a proposal to build a new supermarket in grid square 5309 (Area Z).
Give the advantages and disadvantages of Area Z for this development.
You must use map evidence in your answer. 5

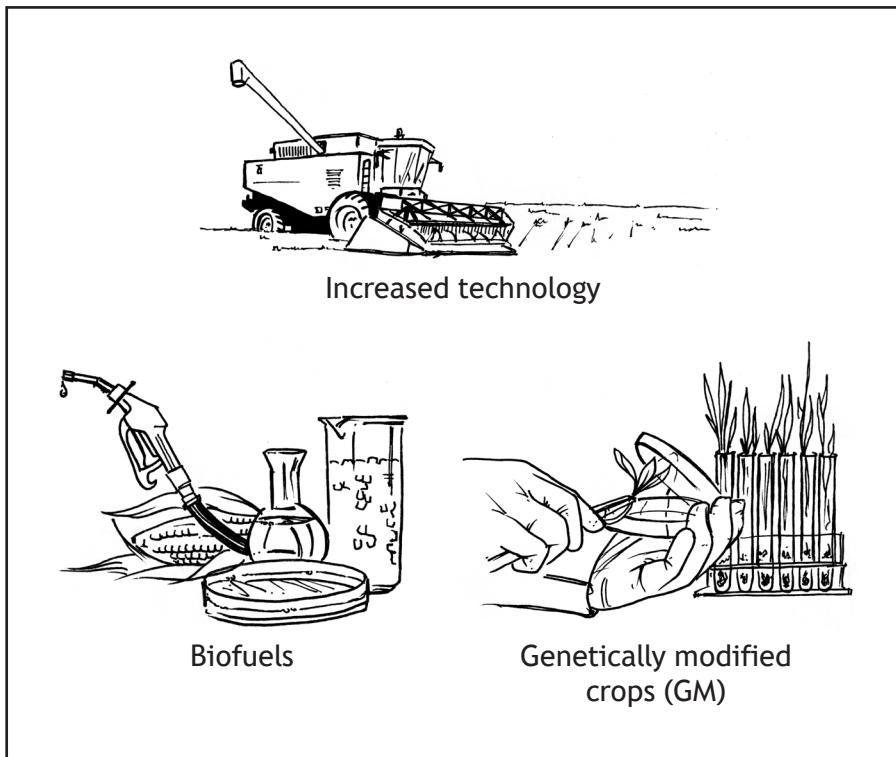
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Question 10**Diagram Q10: Inner city problems**

Look at Diagram Q10.

Referring to a **developed** world city you have studied, give reasons for recent changes which have taken place in the inner city.

6

Question 11**Diagram Q11: Changes in farming in developing countries**

Look at Diagram Q11.

Describe, in detail, the effects of recent changes in farming on people and the landscape in developing countries.

You must mention at least **two** recent changes.

4

[Turn over

Question 12**Diagram Q12A: Gross national income 2015 (total per country)**

(a) Study Diagram Q12A.

Describe, in detail, the different Gross National Incomes in 2015 worldwide.

4

Diagram Q12B: Selected indicators of development

Social indicator	Economic indicator
Number of people per doctor	% of people working in agriculture
% of people who can read and write	Average income per person per year
Number of births per 1,000 women per year	Gross Domestic Product (GDP) per year

(b) Look at Diagram Q12B.

Choose one social and one economic indicator of development shown in the table.

Explain how your two chosen indicators show the level of development in a country.

4

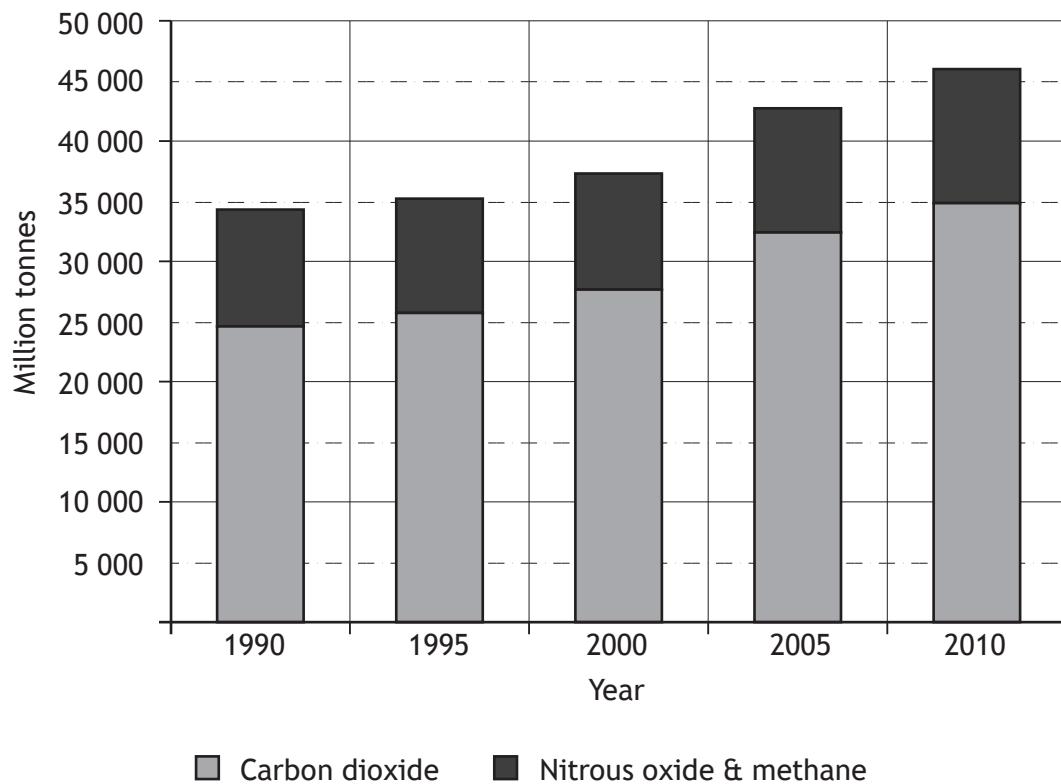
MARKS

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

Question 13 — Climate change	page 16
Question 14 — Natural regions	page 18
Question 15 — Environmental hazards	page 20
Question 16 — Trade and globalisation	page 22
Question 17 — Tourism	page 23
Question 18 — Health	page 24

[Turn over

Question 13: Climate change**Diagram Q13A: Worldwide greenhouse gas emissions
(1990 to 2010)**

- (a) Study Diagram Q13A.

Describe, in detail, the changes in greenhouse gas emissions between 1990 and 2010.

4

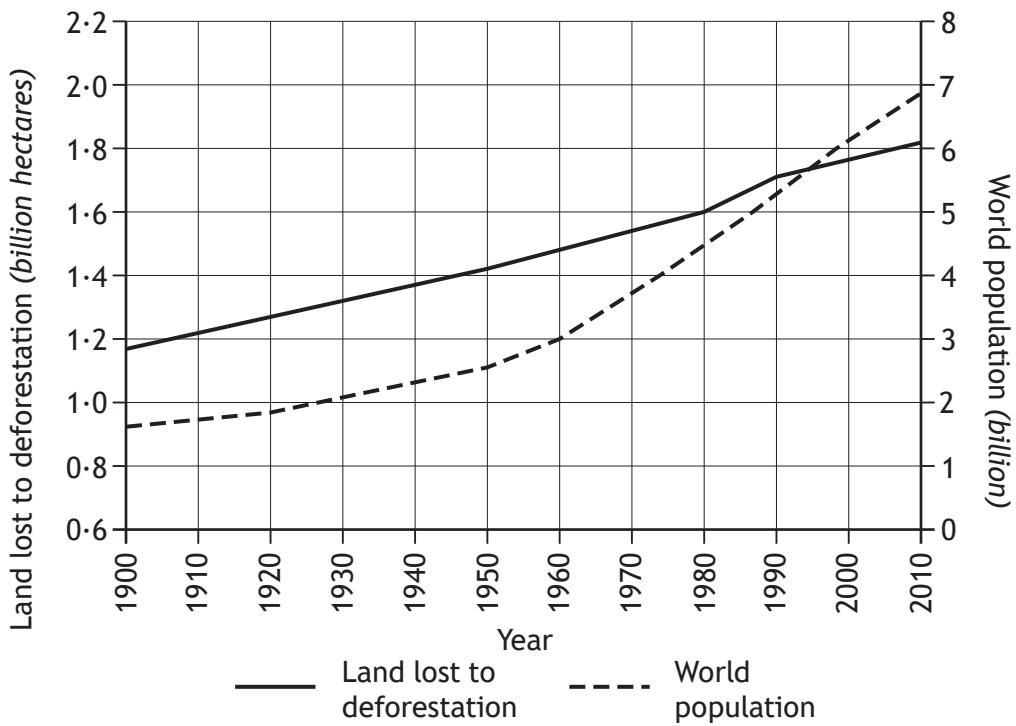
Question 13 (continued)**Diagram Q13B: Online newspaper report**

(b) Look at Diagram Q13B.

Explain the physical and human causes of climate change.

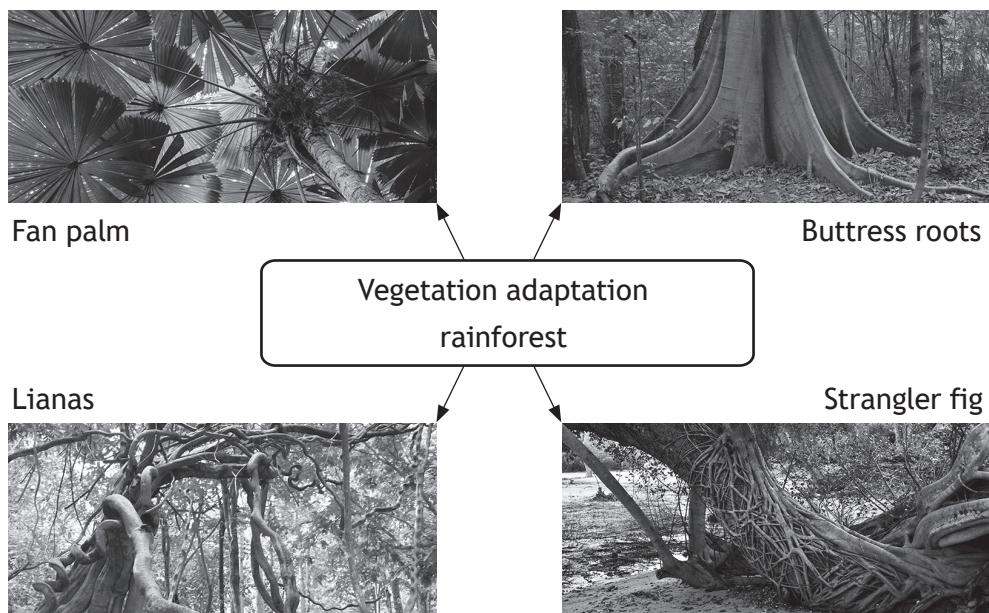
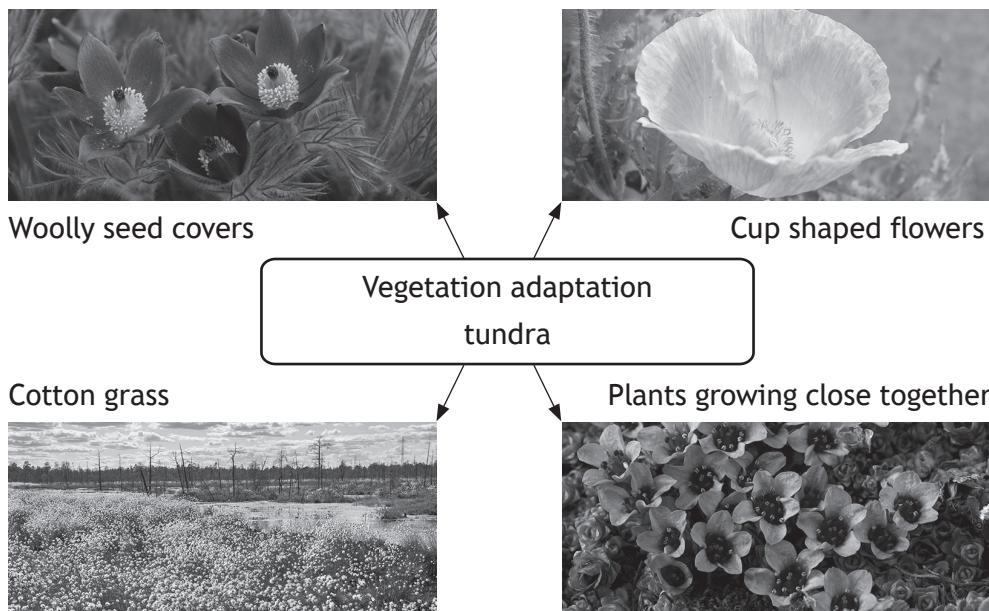
6

[Turn over

Question 14: Natural regions**Diagram Q14A: Changes in deforestation and world population: 1900 to 2010**

- (a) Study Diagram Q14A.

Describe, in detail, changes in deforestation and population between 1900 and 2010.

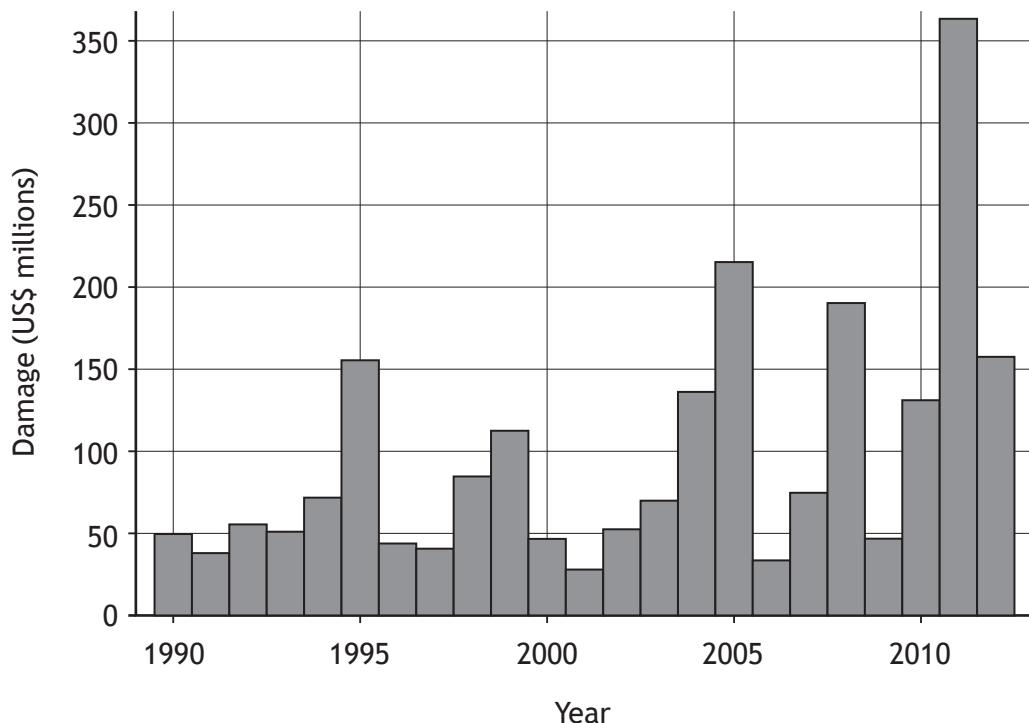
Question 14 (continued)**Diagram Q14B: Examples of vegetation adaptations in equatorial rainforests****Diagram Q14C: Examples of vegetation adaptations in the tundra**

(b) Look at Diagrams Q14B and Q14C.

Explain ways in which vegetation has adapted to the environment in either the rainforest or the tundra.

Question 15: Environmental hazards

Diagram Q15A:
Estimated damage (US\$ millions) caused by natural disasters 1990 to 2012



(a) Study Diagram Q15A.

Describe, in detail, the changes in estimated damage caused by natural disasters from 1990 to 2012.

Question 15 (continued)**Diagram Q15B: Natural hazards in the news**

(b) Look at Diagram Q15B.

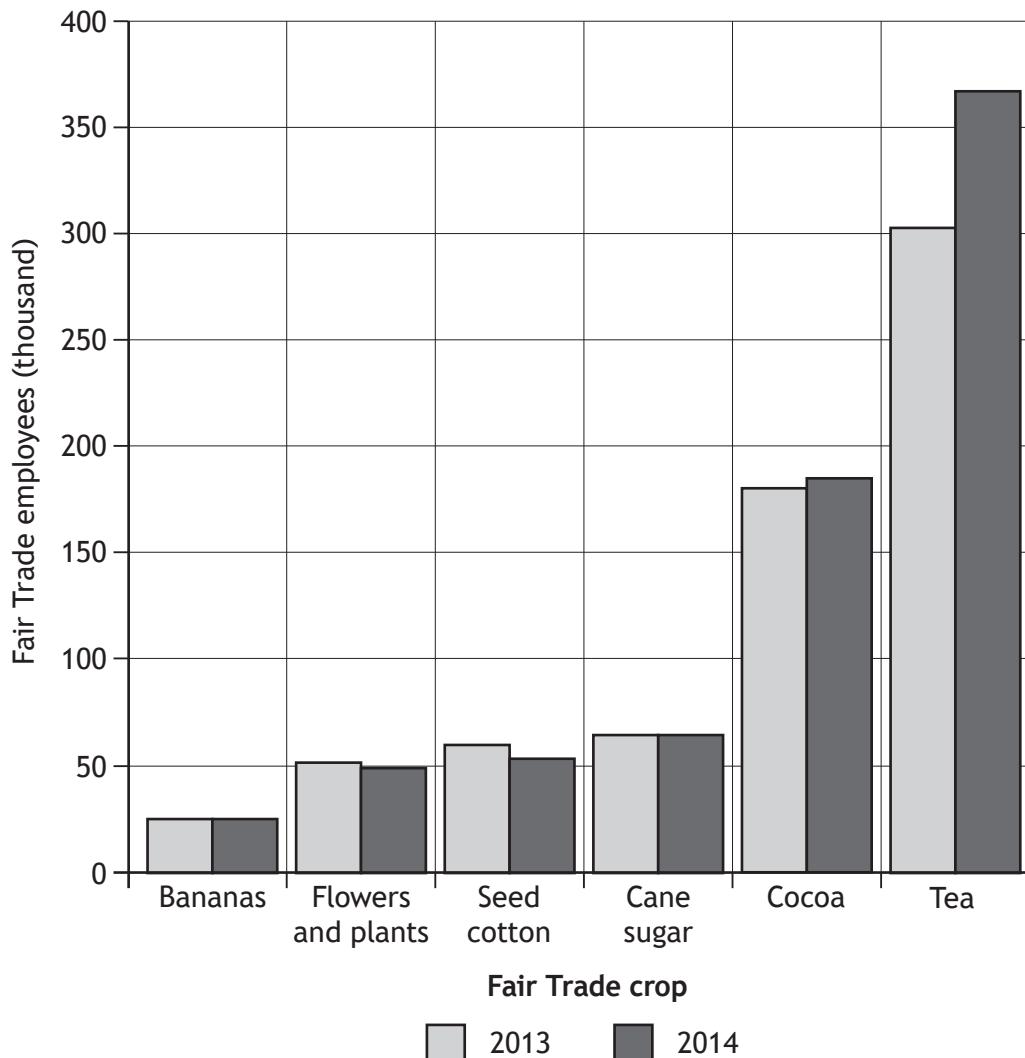
For the volcano(es) that you have studied, **explain in detail** the strategies used to prepare for and reduce the effects of an eruption.

6

[Turn over

Question 16: Trade and globalisation

Diagram Q16: Number of Fair Trade employees 2013 to 2014



- (a) Study Diagram Q16.

Describe, in detail, the changes in the number of Fair Trade employees from 2013 to 2014.

4

- (b) Referring to a country or countries you have studied, **explain** how Fair Trade can help people.

6

Question 17: Tourism**Diagram Q17: World heritage sites facing threat from tourism**

- (a) Study Diagram Q17.

Describe, in detail, the location of world heritage sites facing threat from tourism.

4

- (b) For named areas that you have studied, **describe** ways eco-tourism can be managed.

6

[Turn over for next question]

Question Q18: Health**Diagram Q18: Adult HIV infection rate by country 2013**

- (a) Study Diagram Q18.

Describe, in detail, the global distribution of HIV/AIDS infection amongst adults.

4

- (b) Explain the effects of HIV/AIDS on the populations of developing countries.

6

[END OF QUESTION PAPER]

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Diagram Q13B cybrain/Shutterstock.com

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