



National
Qualifications
2016

X733/75/11

Geography

FRIDAY, 6 MAY

1:00 PM – 2:45 PM

Total marks — 60

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks

Attempt EITHER question 1 OR question 2. ALSO attempt questions 3, 4, and 5.

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks

Attempt questions 6, 7 and 8

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO of the following

Question 9 — Climate Change

Question 10 — Impact of Human Activity on the Natural Environment

Question 11 — Environmental Hazards

Question 12 — Trade and Globalisation

Question 13 — Tourism

Question 14 — Health

Credit will always be given 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 7 3 3 7 5 1 1 *

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks

Attempt EITHER Question 1 OR Question 2
AND Questions 3, 4 and 5

Question 1

- (a) Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area.

Match these glaciated features with the correct grid references.

Features: **pyramidal peak; corrie; U-shaped valley**

Choose from grid references: **800217, 927226, 012216, 946178.**

3

- (b) **Explain** the formation of a U-shaped valley.

You may use a diagram(s) in your answer.

4

NOW ANSWER QUESTIONS 3, 4 and 5

DO NOT ANSWER THIS QUESTION IF YOU HAVE ALREADY ANSWERED QUESTION 1

Question 2

- (a) Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area.
Match these upland limestone features with the correct grid references.

Features: **caves; swallow hole; intermittent drainage**

Choose from grid references: **891161, 837160, 823183, 966146.**

3

- (b) **Explain** the formation of a limestone cave/cavern.

You may use a diagram(s) in your answer.

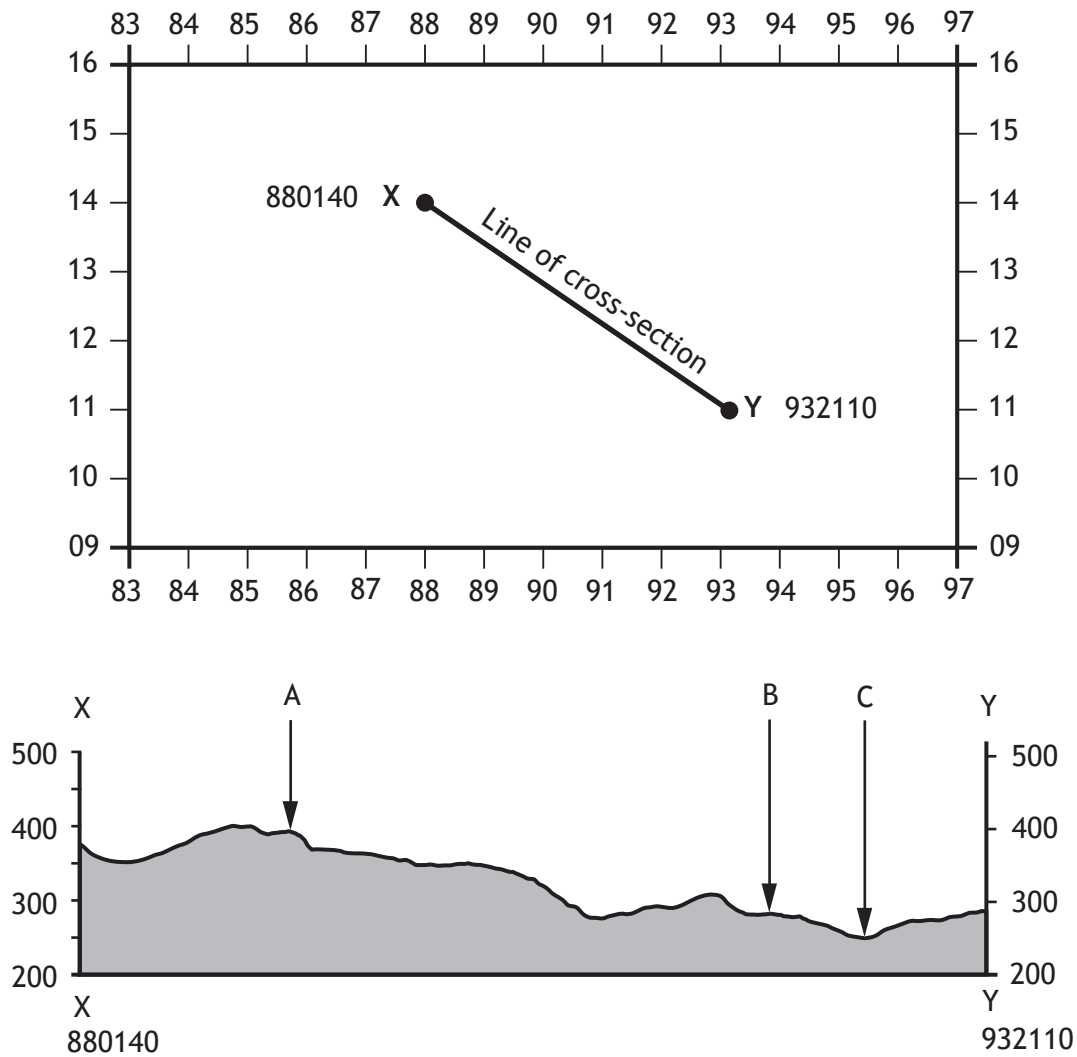
4

NOW ANSWER QUESTIONS 3, 4 and 5

[Turn over

Question 3

Diagram Q3: Cross-section from GR 880140 to GR 932110



Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area and find the cross-section X–Y shown on Diagram Q3 above.

Use the information in the OS map to match the letters A to C with the correct features, choosing from the features below.

- Afon Mellte (river)
- A4059
- Minor road
- Coniferous woodland

Question 4

Diagram Q4: Quote from local resident



Study the Ordnance Survey Map Extract (Item A) of the Brecon Beacons area and Diagram Q4 above.

Choose two different land uses from the list shown below.

- Forestry
- Recreation and Tourism
- Farming
- Industry
- Water storage and supply
- Renewable Energy

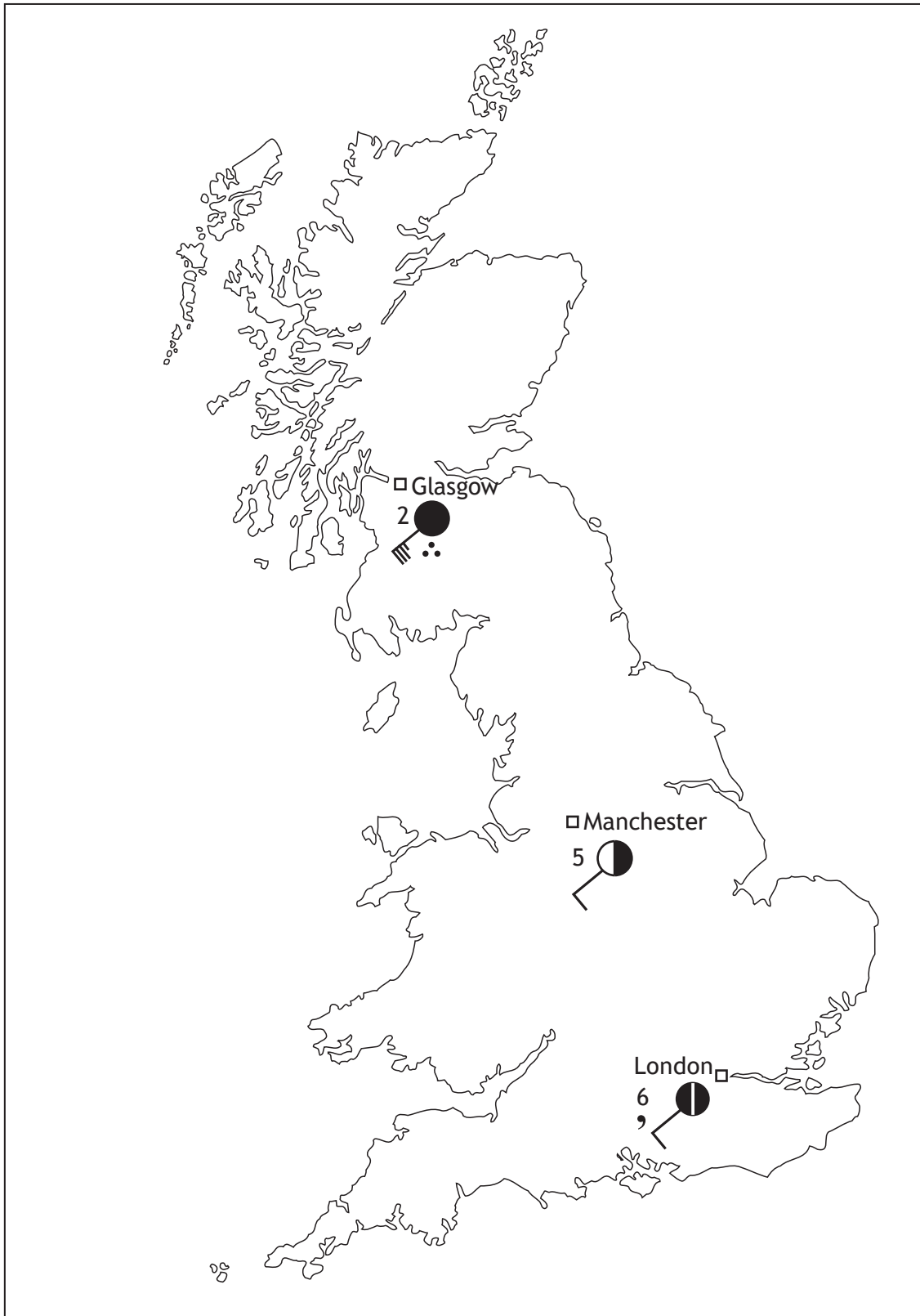
Using map evidence, **explain** how the area shown on the map extract is suitable for your **two chosen** land uses.

5

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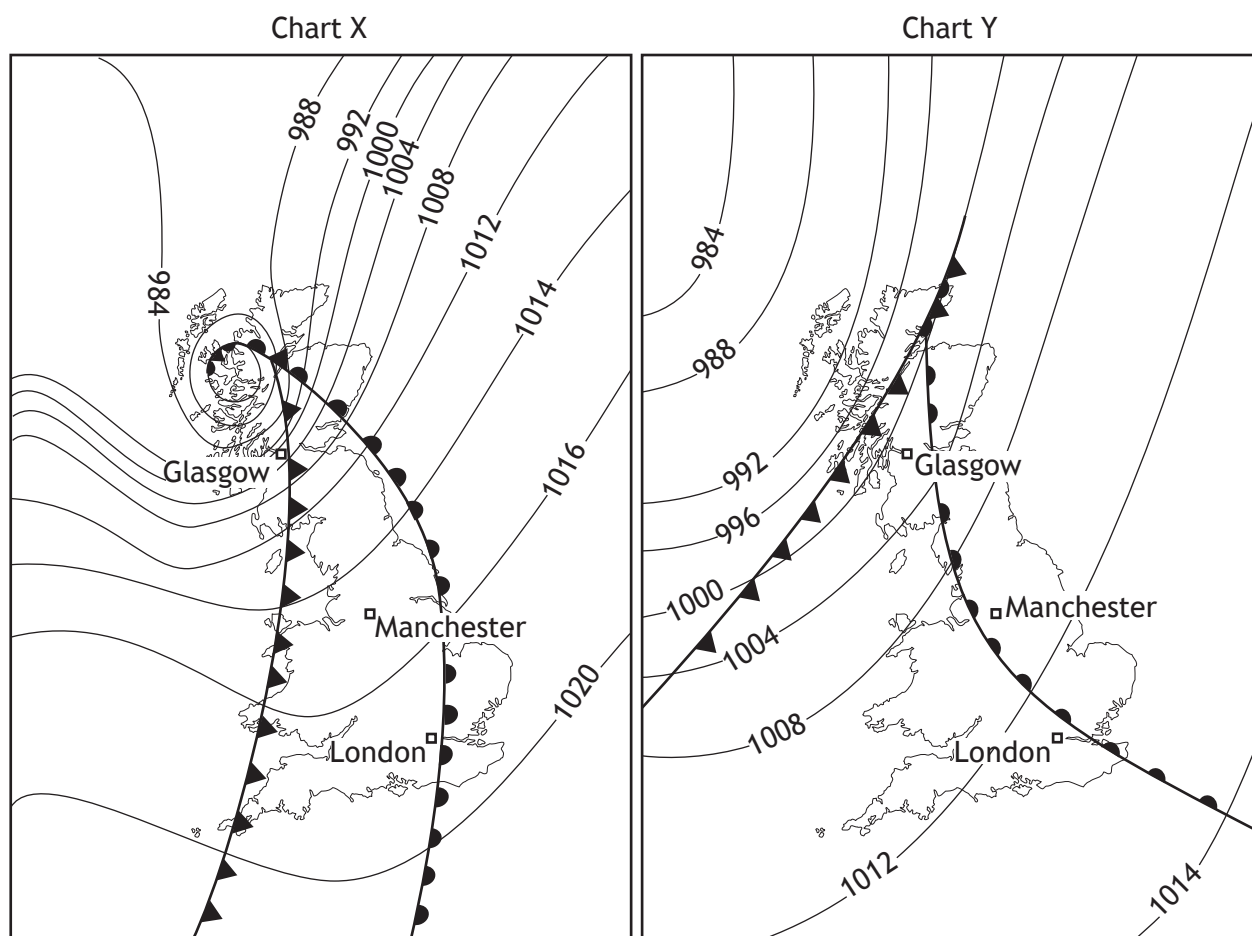
Question 5

Diagram Q5A: Actual weather conditions noon Dec 24th 2014



Question 5 (continued)

Diagram 5B: Possible weather charts for noon Dec 24th 2014



Study Diagrams Q5A and Q5B

Which weather chart, X or Y, is more likely to show the weather conditions being experienced in Britain on December 24th 2014?

Give reasons for your choice.

5

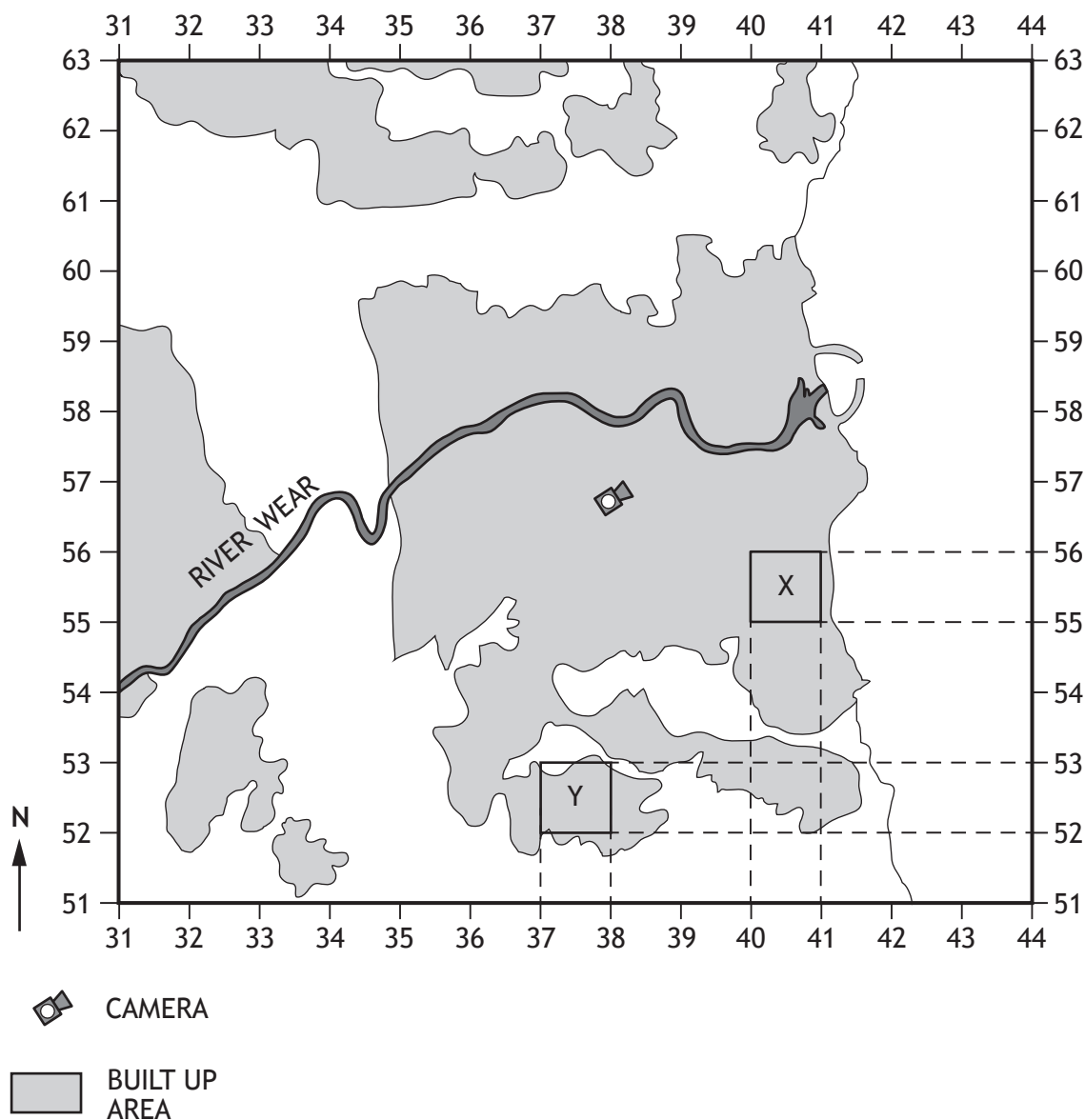
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SECTION 2 — HUMAN ENVIRONMENTS — 20 marks

Attempt Questions 6, 7 and 8

Question 6

Diagram Q6A



- (a) Study Diagram Q6A and the Ordnance Survey Map Extract (Item B) of the Sunderland area.

A group of National 5 Geography pupils are doing a fieldwork study of urban land use for their assignment.

Use map evidence to show why they have identified Area X as the Inner City and Area Y as an area of modern suburbs. You must refer to both areas in your answer.

Question 6 (continued)

Diagram Q6B: Aerial Photograph taken from above Grid Reference 380568 looking North East



(b) Study Diagram Q6B and the Ordnance Survey Map Extract (Item B) of the Sunderland area.

Identify features A, B and C.

Choose from the list given below.

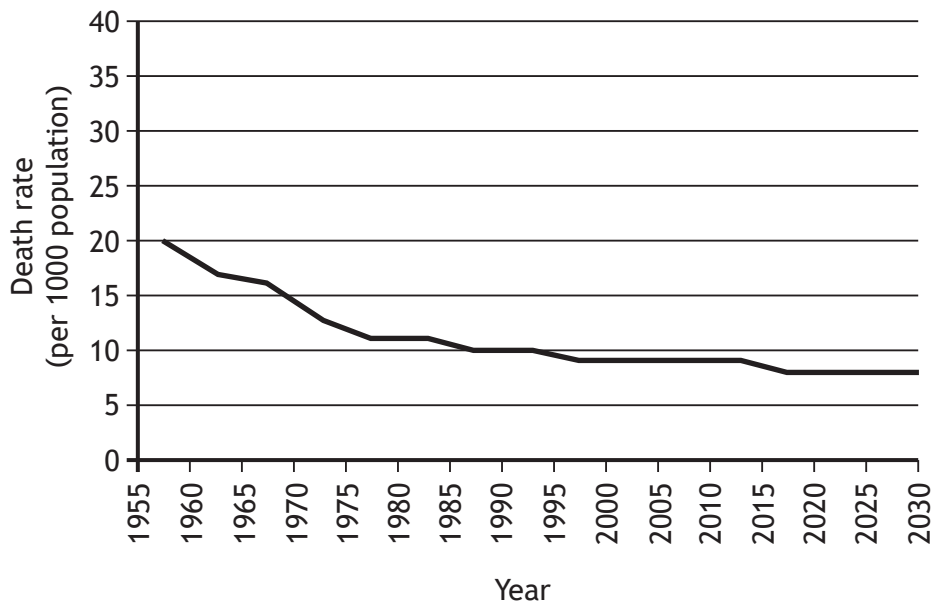
- Ayres Quay
- Docks
- Museum
- Football Stadium

3

[Turn over

Question 7

Diagram Q7: Global Death Rates 1950–2030 (projected)



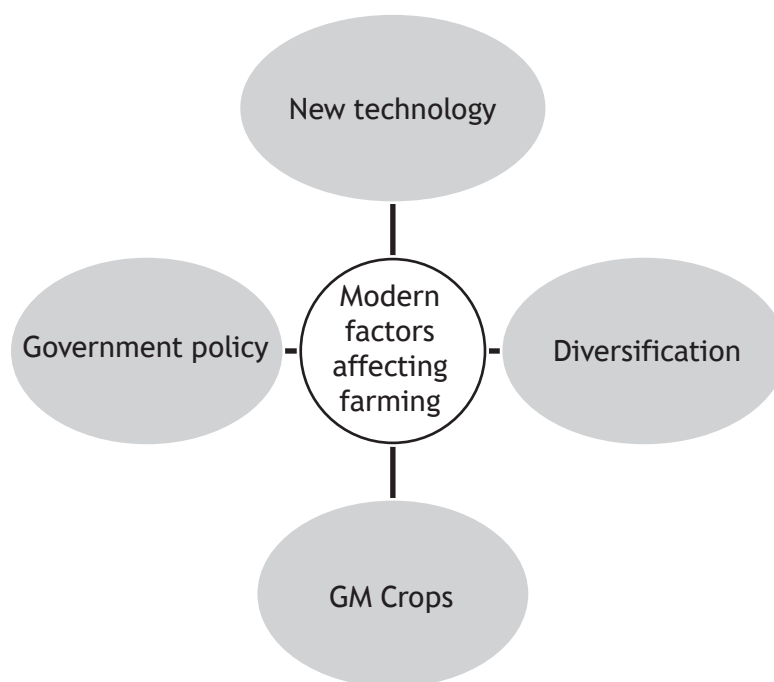
Look at Diagram Q7.

Give reasons for falling worldwide death rates.

6

Question 8

Diagram Q8: Modern Factors affecting Farming in the Developed World



Look at Diagram Q8.

Choose **two** of the factors shown on Diagram Q8.

For the **two** you have chosen, describe in detail how recent developments in farming affect the people **and** the landscape in **developed** countries.

6

[Turn over

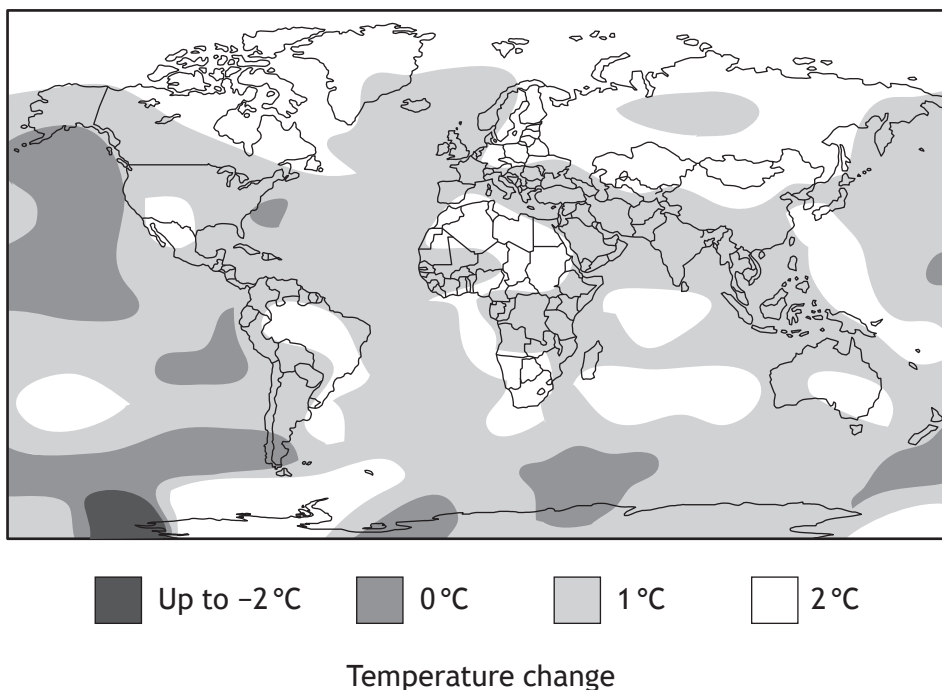
SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

Question 9 — Climate Change	(Page 13)
Question 10 — Impact of Human Activity on the Natural Environment	(Page 14)
Question 11 — Environmental Hazards	(Page 16)
Question 12 — Trade and Globalisation	(Page 18)
Question 13 — Tourism	(Page 19)
Question 14 — Health	(Page 20)

Question 9 — Climate Change

Diagram Q9A: Average global temperature changes (°C) 1884–2010



(a) Study Diagram Q9A.

Describe, in detail, the changes in average global temperatures.

4

Diagram Q9B: climate change



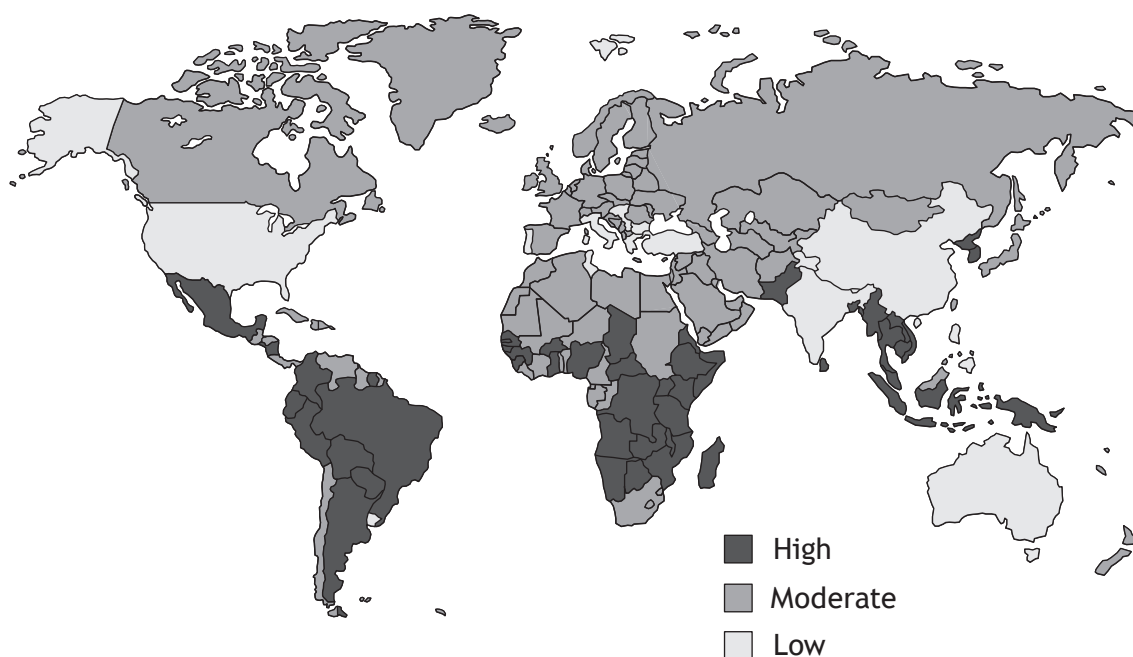
(b) Look at Diagram Q9B.

Describe, in detail, different ways climate change can be managed.

6

Question 10 — Impact of Human Activity on the Natural Environment

Diagram Q10: Recent Deforestation Rates Worldwide



(a) Study Diagram Q10.

Describe, in detail, deforestation rates worldwide.

4

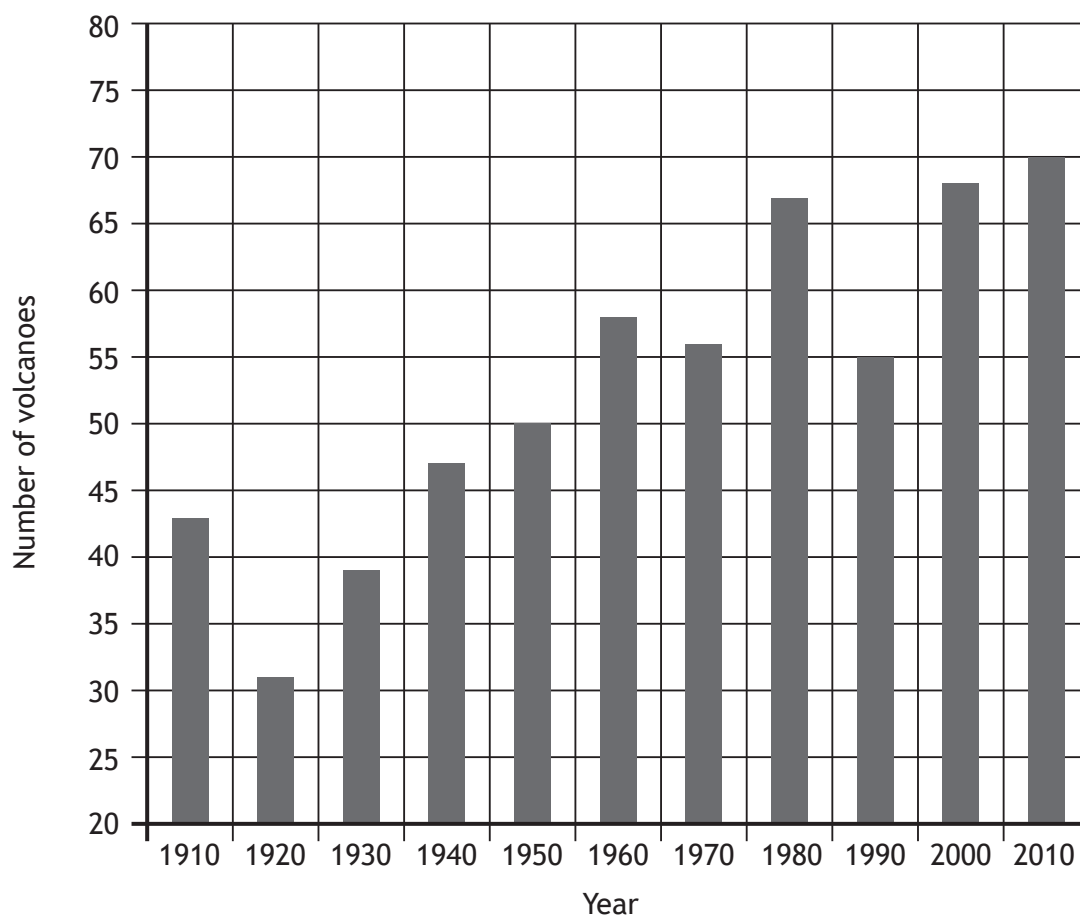
(b) Explain the management strategies which can be used to minimise the impact of human activity in the tundra.

6

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Question 11 — Environmental Hazards

Diagram Q11A: Number of Volcanic Eruptions per Decade
1910–2010

(a) Study Diagram Q11A.

Describe, in detail, the changes in the number of volcanic eruptions between 1910–2010.

4

Question 11 (continued)

Diagram Q11B: Pico de Fogo Volcano, Cape Verde



After nearly 20 years of inactivity, the Pico de Fogo awakened with a violent eruption on the 23rd of November 2014.

(b) Look at Diagram Q11B.

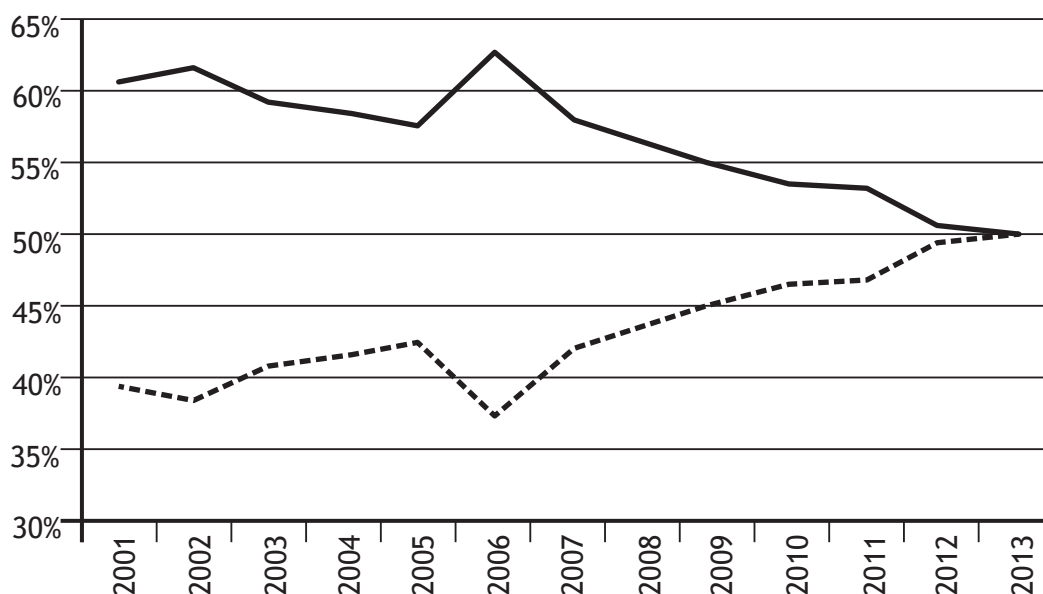
For a volcanic eruption you have studied, **explain, in detail**, the impacts of the eruption on people and the landscape.

6

[Turn over

Question 12 — Trade and Globalisation

Diagram Q12A: UK Exports 2001–2013



Key

- % goods exports to EU27
- - - % goods exports to Rest of the World

(a) Study Diagram Q12A.

Describe, in detail, the changes in UK exports between 2001–2013.

4

(b)

Diagram Q12B: Quote from a Government official

“Membership of Trade Alliances such as the EU brings advantages and disadvantages”.

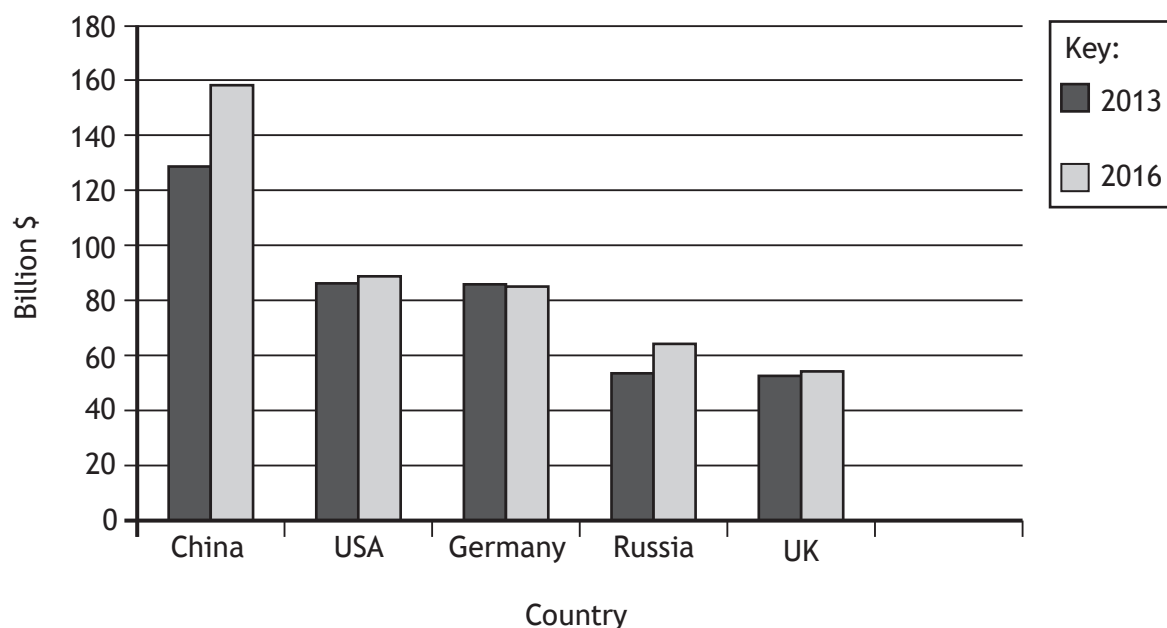
Look at Diagram Q12B.

Explain the advantages **and** disadvantages of belonging to a trade alliance.

6

Question 13 — Tourism

Diagram Q13 : International Tourism Expenditure 2013–2016 (projected)



- (a) Study Diagram Q13.

Describe, in detail, the projected changes in international tourism expenditure between 2013 and 2016.

4

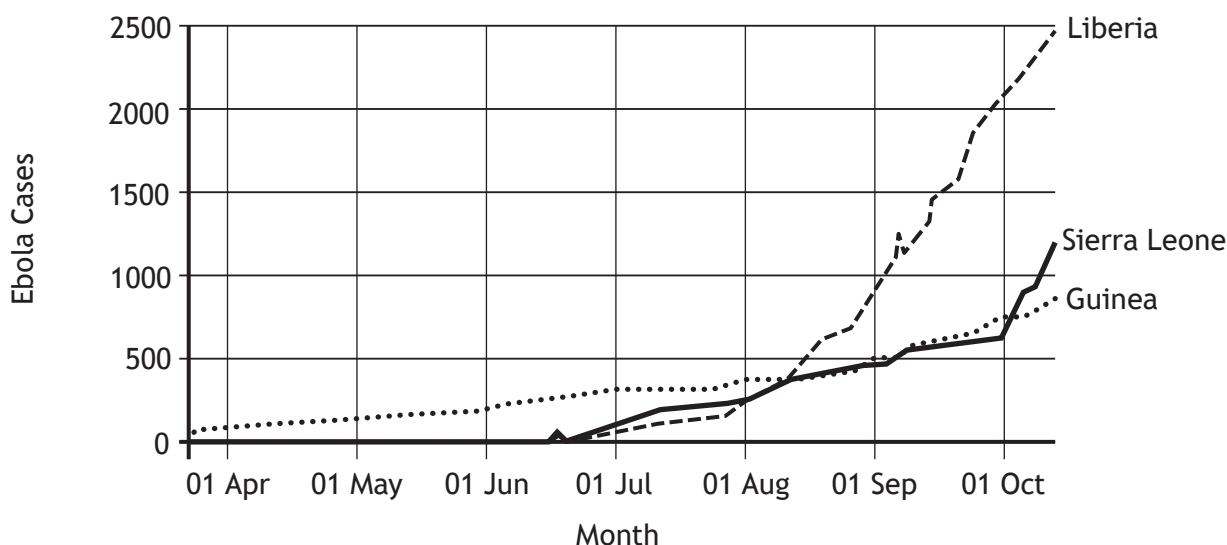
- (b) For a named area you have studied, **explain** the ways in which the impact of tourism can be managed.

6

[Turn over for next question

Question Q14 — Health

Diagram Q14: Ebola Cases in Selected African Countries April–Oct 2014



(a) Study Diagram Q14.

Describe, in detail, the changes in Ebola cases in the **three** African countries.

4

(b) Explain the causes of either heart disease or cancer or asthma.

6

[END OF QUESTION PAPER]

ACKNOWLEDGEMENTS

Section 1 Question 4 - phovoir/shutterstock.com

Diagram Q6B – Aerial photograph is taken from www.sunderland.ac.uk/images/Sunderland_City_Aerial.jpg.

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Section 3 Question 11B - LivetImages/shutterstock.com