



National
Qualifications
2014

X733/75/01

Geography

THURSDAY, 29 MAY

9:00 AM — 10:30 AM

Total marks — 60

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks

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

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks

Attempt questions 5, 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

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.

Credit will always be given for appropriately labelled sketch maps and diagrams.

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 0 1 *

SECTION 1 — PHYSICAL ENVIRONMENTS — 20 marks

**Attempt EITHER Question 1 or Question 2
AND Questions 3 and 4**

Question 1 — Glaciated Uplands

- | | |
|--|----------|
| (a) Study the Ordnance Survey Map Extract (No 2072/15 & 16).
Match these glaciated features with the correct grid references
Features: U-shaped valley; corrie; arête
Choose from grid references: 354135, 309201, 323143, 326168. | 3 |
| (b) Explain the formation of a corrie.
You may use a diagram(s) in your answer. | 4 |
| Total marks | 7 |

NOW ANSWER QUESTIONS 3 AND 4

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

Question 2 — River and Valleys

- | | |
|---|----------|
| (a) Study the Ordnance Survey Map Extract (No 2072/15 & 16).
Match these river features with the correct grid references
Features: ox-bow lake; meander; V-shaped valley
Choose from grid references: 389151, 297207, 427099, 423107. | 3 |
| (b) Explain the formation of a waterfall.
You may use a diagram(s) in your answer. | 4 |
| Total marks | 7 |

NOW ANSWER QUESTIONS 3 AND 4

Question 3

Diagram Q3 — Land Uses



Look at Diagram Q3 and the whole of the OS Map extract.

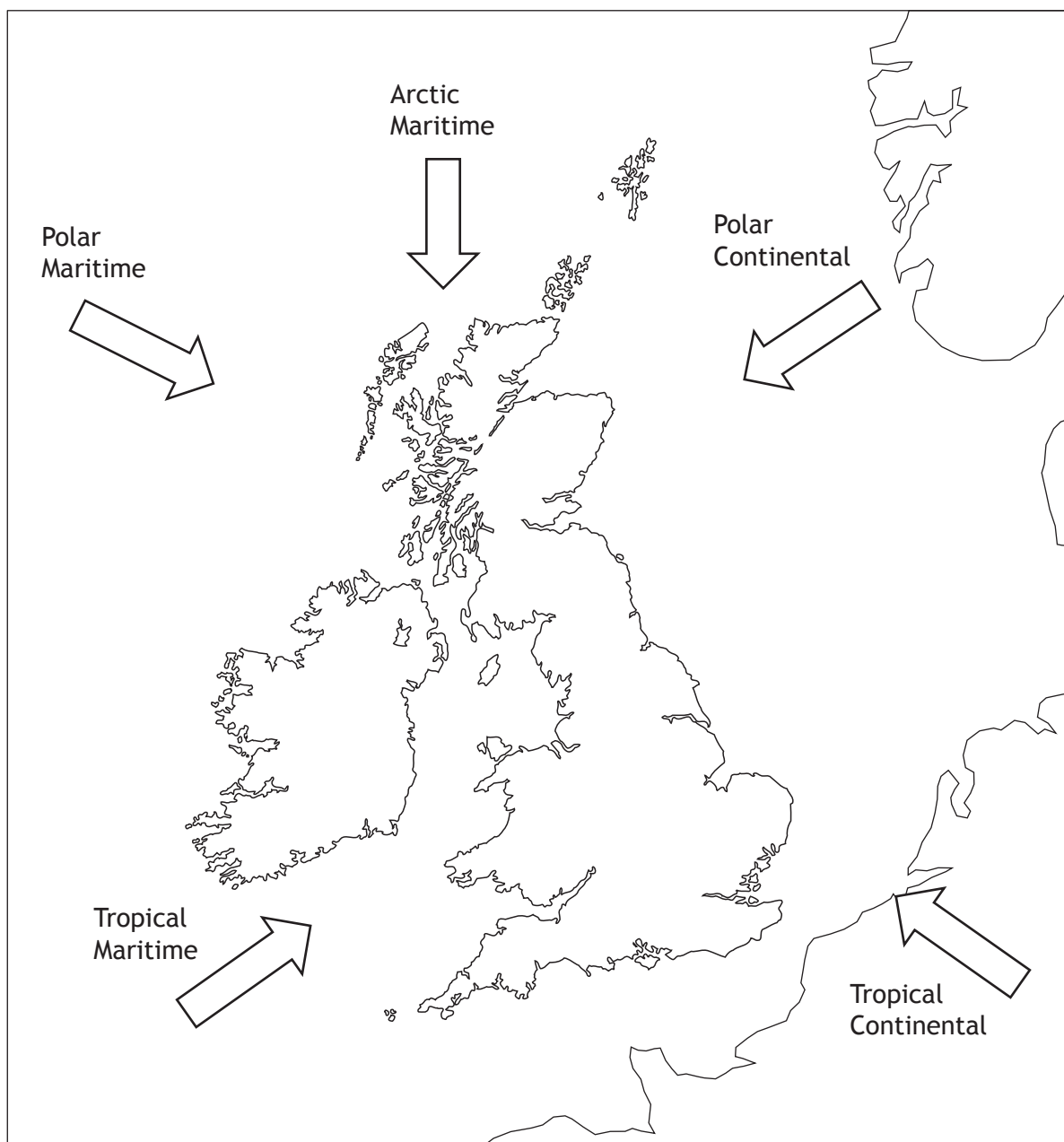
For **one** of the land uses shown give the advantages of this area for your chosen land use. You must use map evidence.

5

[Turn over

Question 4

Diagram Q4A—Air Masses affecting the British Isles.

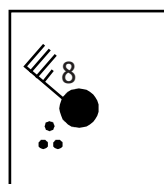
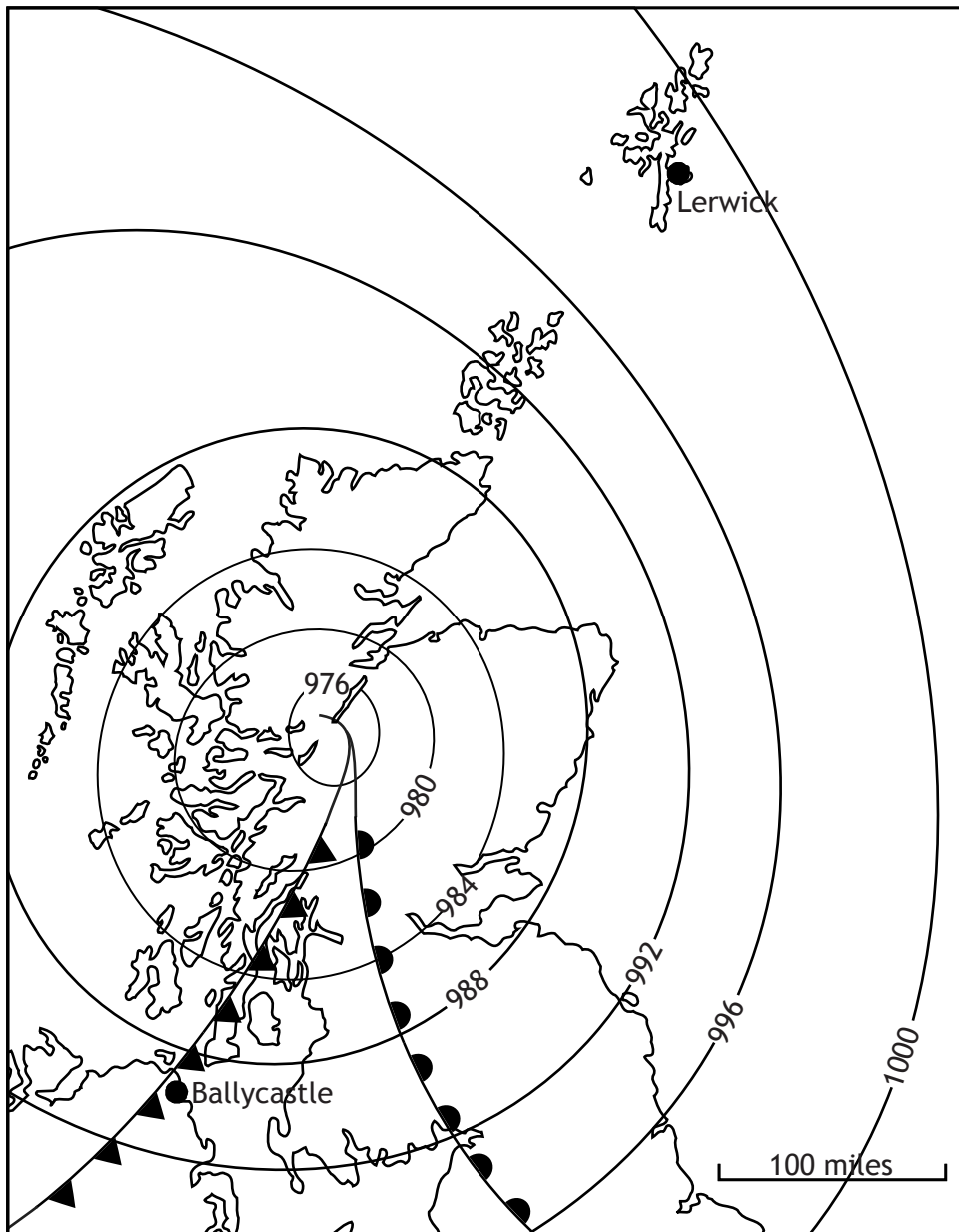


(a) Look at Diagram Q4A.

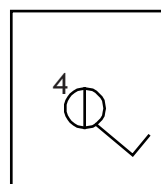
Describe how a prolonged spell with a **tropical continental** air mass in **summer** would affect the people of the British Isles.

3

Diagram Q4B — Synoptic Chart for March 2012



Ballycastle



Lerwick

(b) Study the Synoptic Chart and the synoptic symbols in Diagram Q4B.

Give reasons for the **differences** in the weather conditions between Ballycastle and Lerwick.

5

Total marks

8

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks

Attempt Questions 5, 6, 7 and 8

Question 5

Diagram Q5 — Changes in Glasgow's CBD

Expensive Designer
StoresOld Warehouses
Converted Into FlatsIndoor Shopping
Malls

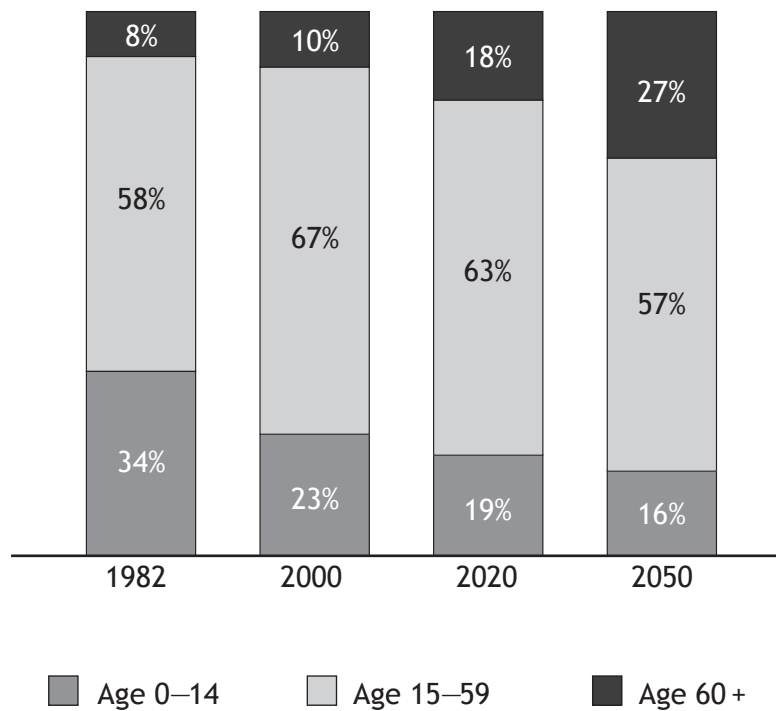
Look at Diagram Q5.

For Glasgow, or any other developed world city you have studied, **explain** the main changes which have taken place in the CBD over recent years.

5

Question 6

Diagram Q6 — Age groups in China 1982 to 2050 (Projected)



Study Diagram Q6.

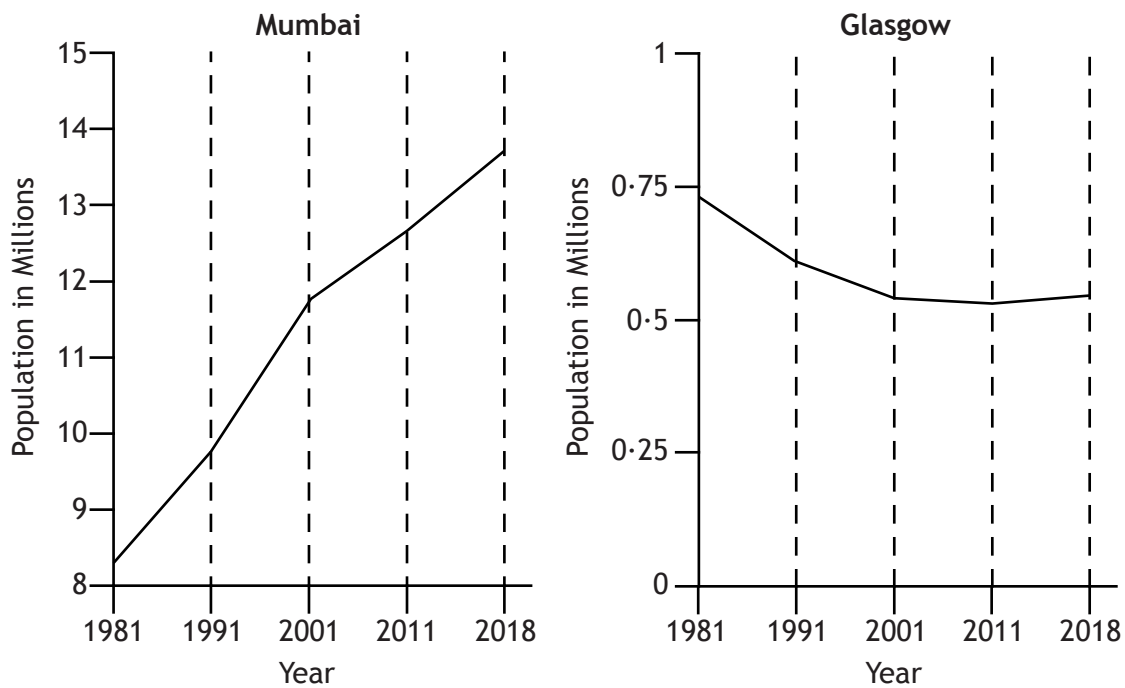
- (a) **Describe, in detail**, the changes in China's age groups between 1982 and 2050 (projected). 4
- (b) For China, or other countries you have studied, **describe** methods which have been used to reduce population growth. 4

Total marks 8

[Turn over

Question 7

Diagram Q7 — Population Trends in Mumbai and Glasgow



Study Diagram Q7.

Describe, in detail, differences in population trends between Mumbai and Glasgow.

3

Question 8

Diagram Q8 — Developments in Farming

GM Crops

Biofuel



Increased Technology

Pesticides/Fertilisers

Look at Diagram Q8.

Explain how recent developments in agriculture in developing countries are helping farmers.

4

[Turn over

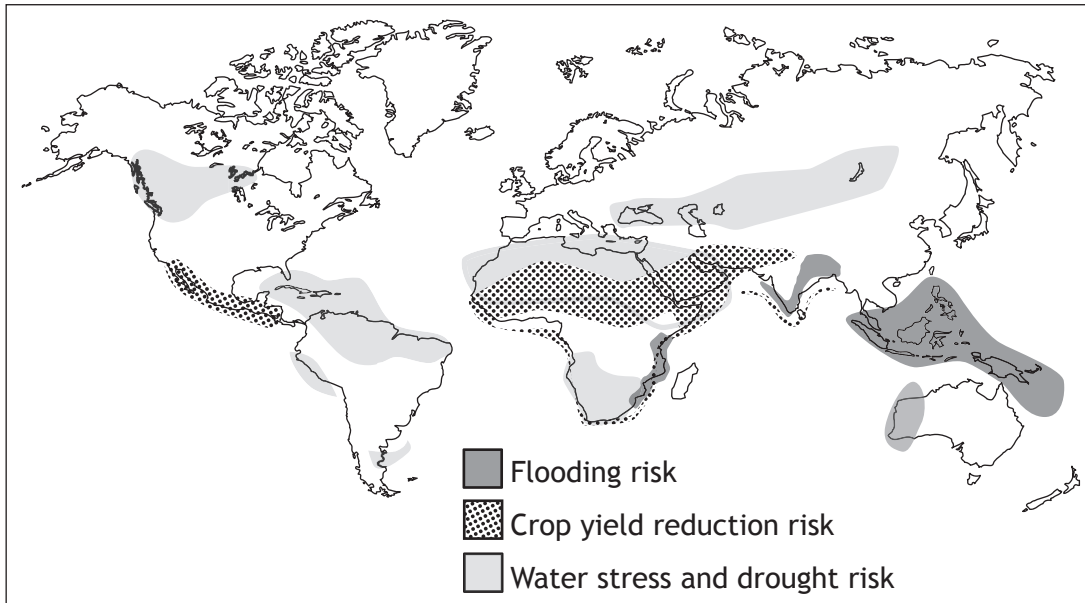
SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

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

Question 9 — Climate Change

Diagram Q9A — Areas at greater risk from climate change

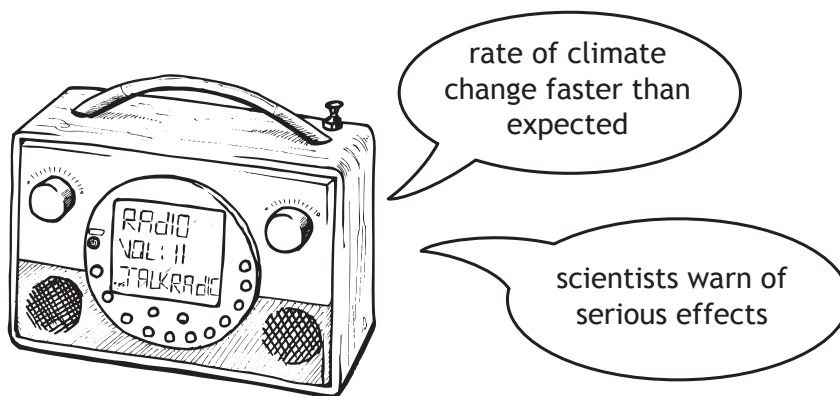


(a) Study Diagram Q9A.

Describe, in detail, the locations which are at greater risk from climate change.

4

Diagram Q9B — Evidence of Climate Change



(b) Look at Diagram Q9B.

Explain, in detail, the physical and human causes of global climate change.

6

Total marks

10

[Turn over

QUESTION 10 — Impact of Human Activity on the Natural Environment

Diagram Q10A — Barrow Alaska

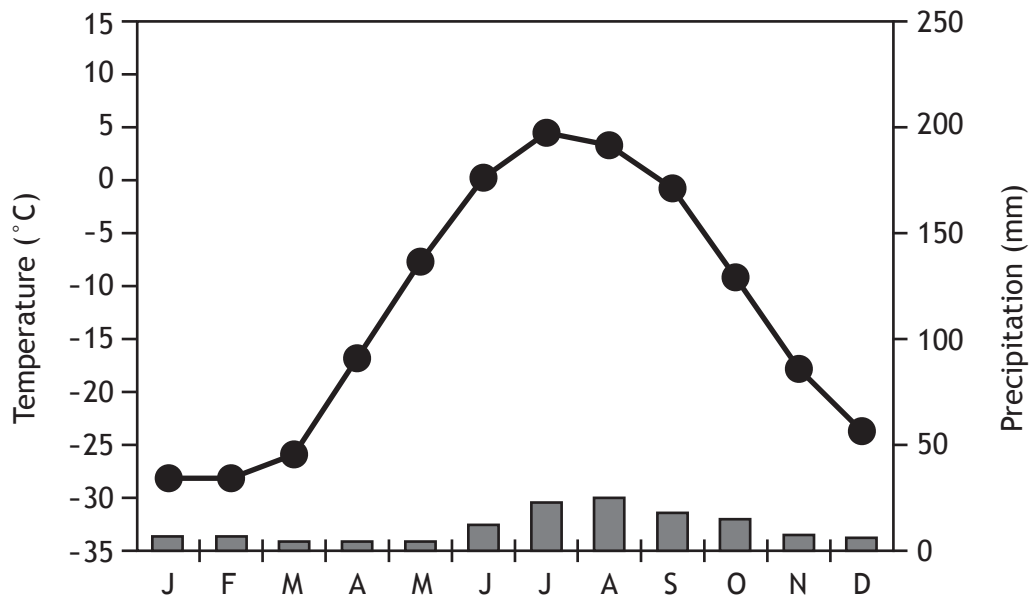
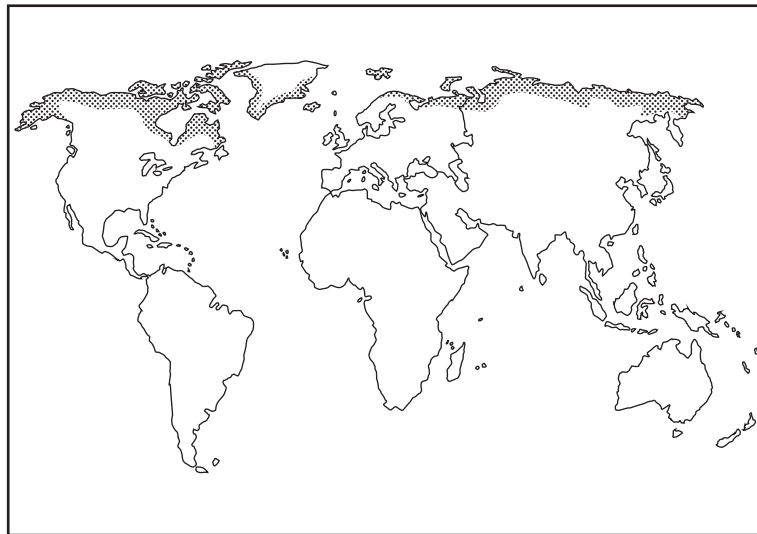


Diagram Q10B — Location of Tundra Climatic Area



(a) Study Diagrams Q10A and Q10B.

Describe, in detail, the main features of the Tundra climate.

4

Diagram Q10C — Impact of Human Activities in the Tundra



(b) Look at Diagram Q10C.

Describe the advantages **and** disadvantages brought about by human activities in the Tundra.

You may refer to an area you have studied in your answer.

6

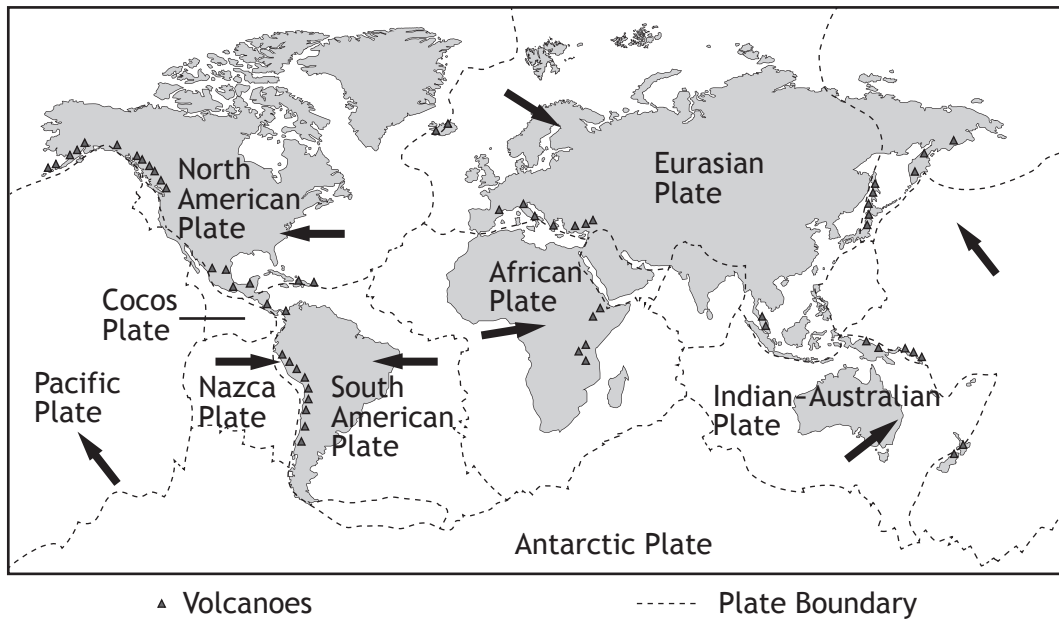
Total marks

10

[Turn over

Question 11 — Environmental Hazards

Diagram Q11A — Distribution of Volcanoes

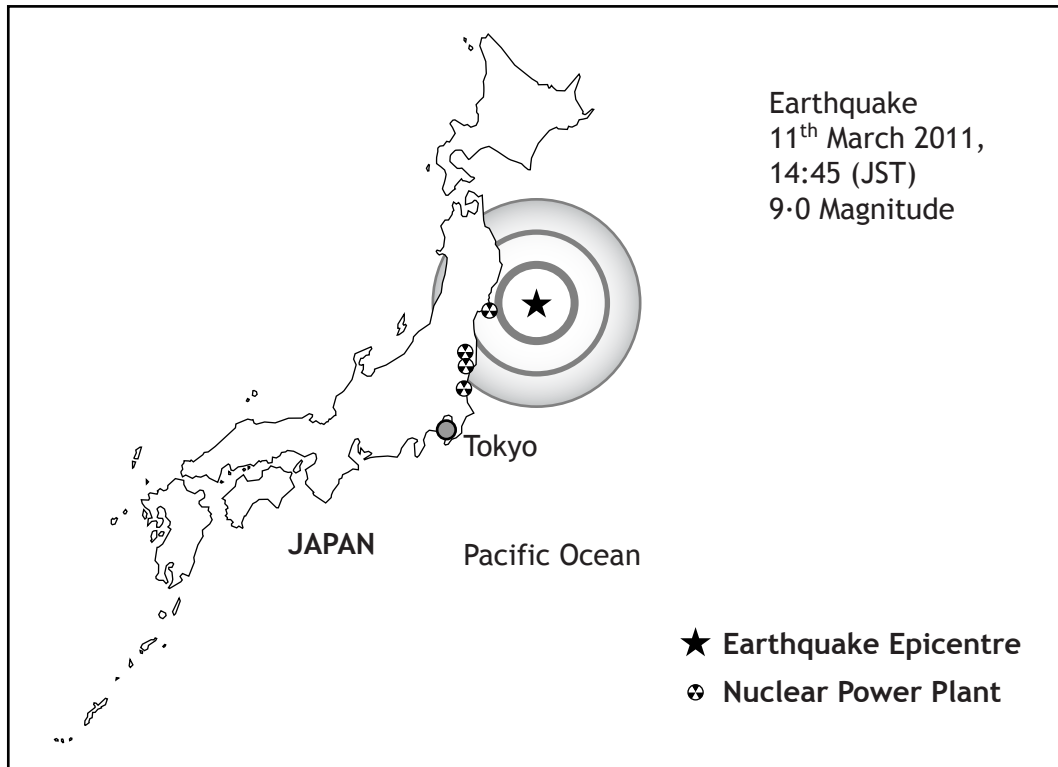


(a) Study Diagram Q11A.

Describe, in detail, the distribution of the world's volcanoes.

4

Diagram Q11B — Japanese Earthquake, 2011



(b) Look at Diagram Q11B.

For the Japanese earthquake, or any other named earthquake you have studied, **describe, in detail**, the impact on people and the landscape.

6

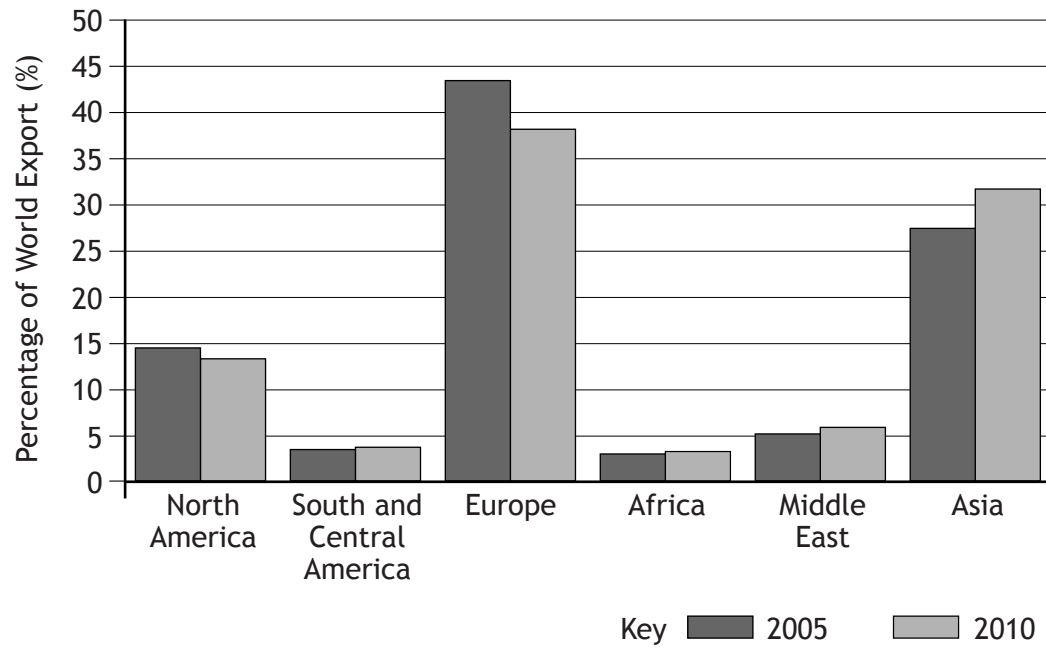
Total marks

10

[Turn over

Question 12 — Trade and Globalisation

Diagram Q12A — World Exports by Region



(a) Study Diagram Q12A.

Describe, in detail, the change in World Exports from 2005 to 2010.

4

Diagram Q12B — Collecting Fairtrade Coffee Beans



(b) Look at Diagram Q12B.

Explain how buying Fairtrade products helps people in the developing world.

6

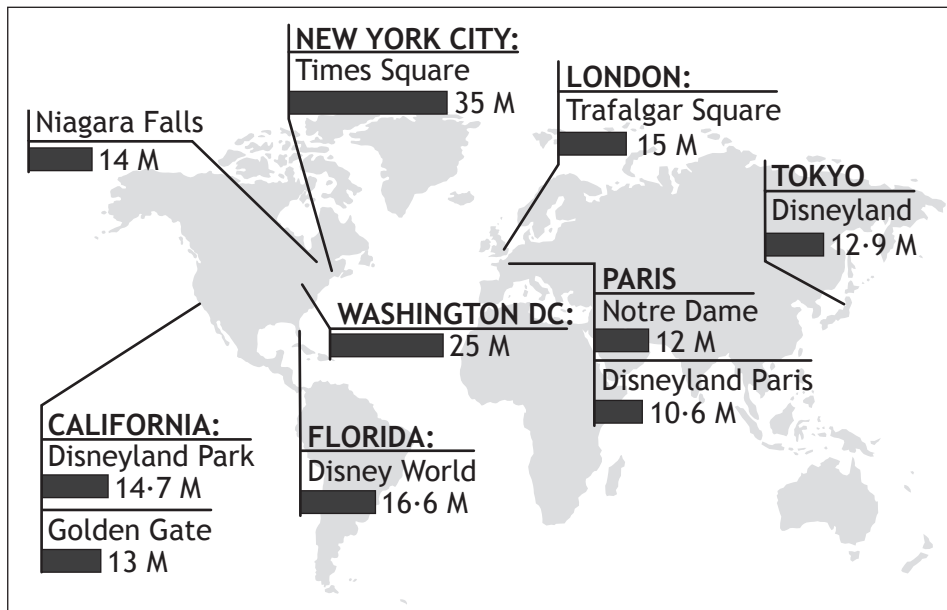
Total marks

10

[Turn over

Question 13 — Tourism

Diagram Q13A — Top Ten World Tourist Destinations (millions of visitors per year)



(a) Study Diagram Q13A.

Describe, in detail, the distribution of the top ten world tourist destinations.

4

Diagram Q13B — Mass Tourism on an Italian Beach



(b) Look at Diagram Q13B.

Describe the effects of mass tourism on people and the environment.

6

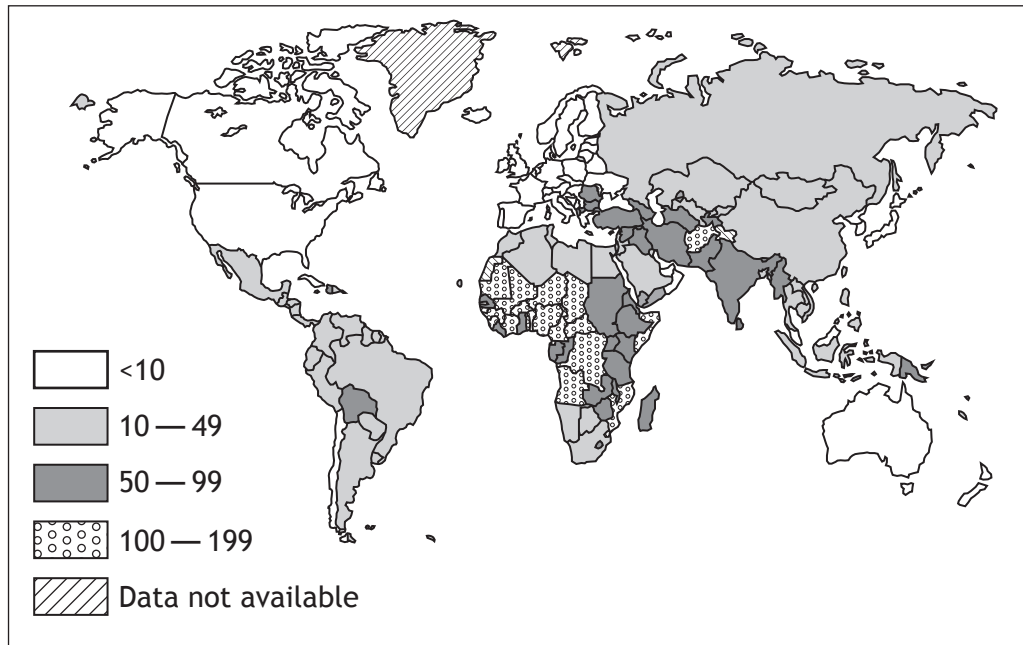
Total marks

10

[Turn over

Question 14 — Health

Diagram Q14A— Worldwide child deaths under 5 years (per 1,000 live births)

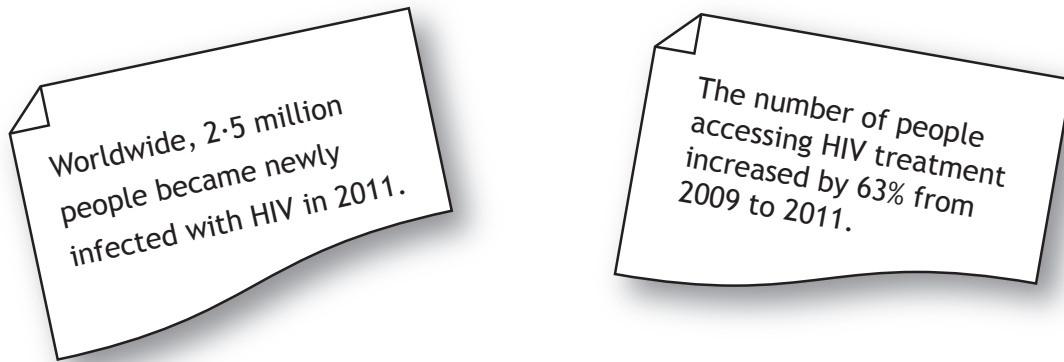


(a) Study Diagram Q14A.

Describe, in detail, the distribution of worldwide child deaths under the age of 5.

4

Diagram Q14B — World AIDS Day Report 2012



(b) Look at Diagram Q14B.

Explain methods used to limit the spread of AIDS in developed **and** developing countries.

6

Total marks

10

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ACKNOWLEDGEMENTS

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