



X733/75/11

Geography

THURSDAY, 21 MAY

9:00 AM – 10:45 AM

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 — Coastal Landscapes

Study the Ordnance Survey Map Extract (Item A) of the Salcombe area.

- (a) Match these grid references with the correct coastal features

Grid references: **766356, 674398, 690382**

Choose from features: cliff; headland; bay; stack.

3

- (b) Explain the formation of **one** of the coastal features listed in part (a).

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 — Rivers and Valleys

Study the Ordnance Survey Map Extract (Item A) of the Salcombe area.

- (a) Match these grid references with the correct river features

Grid references: **708473, 713410, 684466**

Choose from features: levée; meander; v-shaped valley; waterfall.

3

- (b) Explain the formation of **one** of the river features listed in part (a).

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

4

NOW ANSWER QUESTIONS 3, 4 AND 5

Question 3

Diagram Q3: Quote from a Local Landowner

“This area has the potential for a variety of different land uses, including farming, forestry, recreation/tourism, water storage/supply, industry and renewable energy.”

Study Diagram Q3 and the Ordnance Survey Map Extract (Item A) of the Salcombe area.

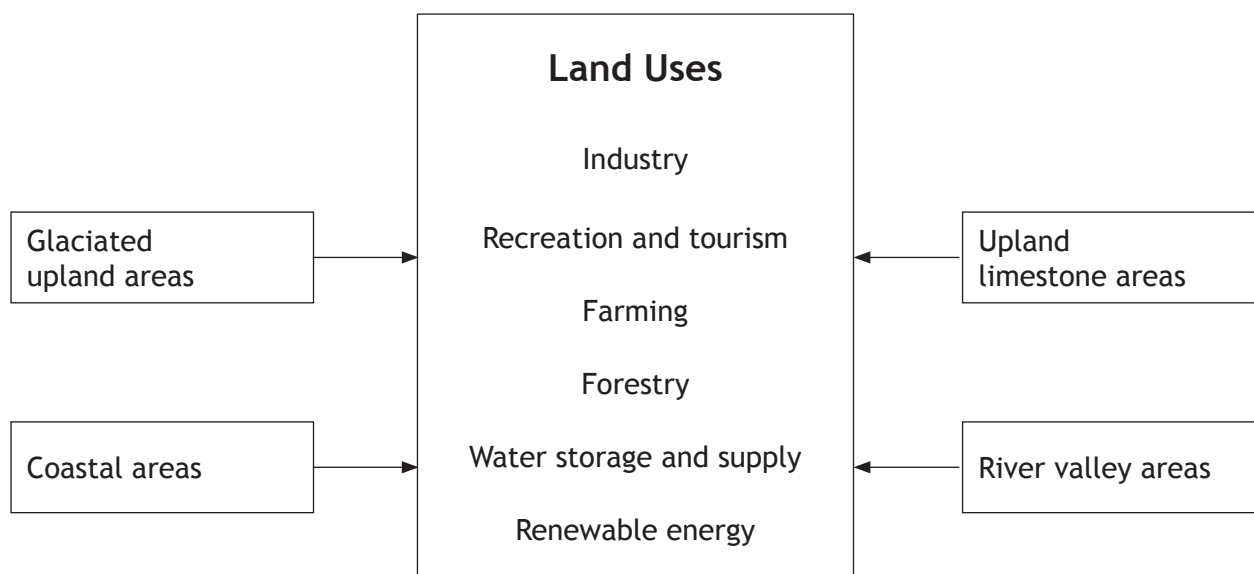
Choose **two** different land uses shown in Diagram Q3.

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

5

Question 4

Diagram Q4: Selected Land Uses



Look at Diagram Q4 above.

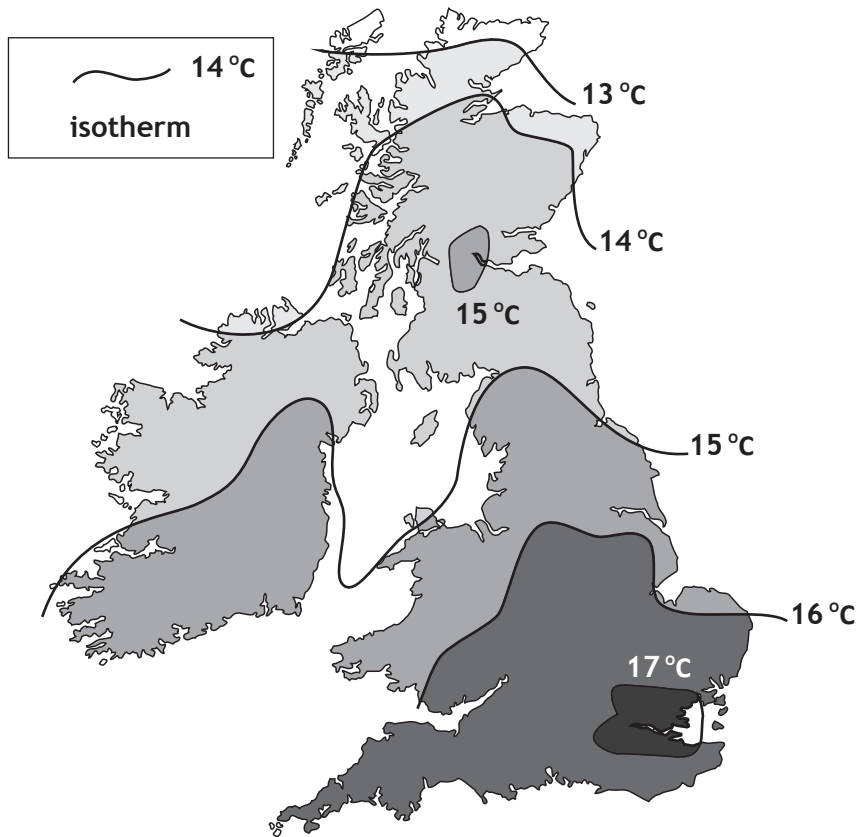
For a named area you have studied, **explain, in detail**, ways in which **two** different land uses may be in conflict with each other.

4

[Turn over

Question 5

Diagram Q5: Average UK Temperatures in July



Look at Diagram Q5.

Explain the factors which cause differences in average UK temperatures.

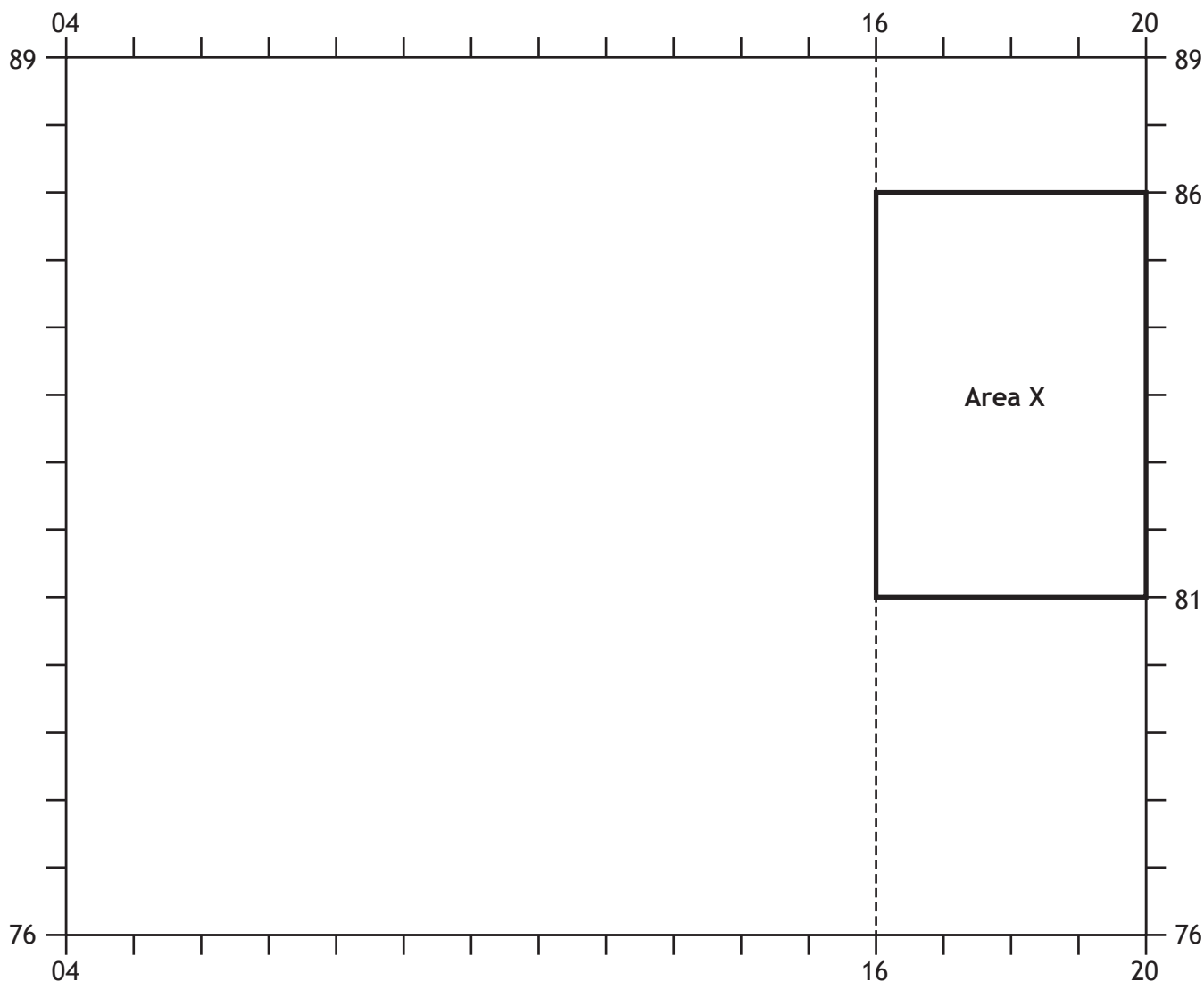
4

SECTION 2 — HUMAN ENVIRONMENTS — 20 marks

Attempt Questions 6, 7 and 8

Question 6

Diagram Q6



Study the Ordnance Survey Map Extract (Item B) of the Birmingham area and Diagram Q6 above.

- (a) Give map evidence to show that part of the Central Business District (CBD) of Birmingham is found in grid square 0786.
- (b) Find Area X on Diagram Q6 and the map extract (Item B).

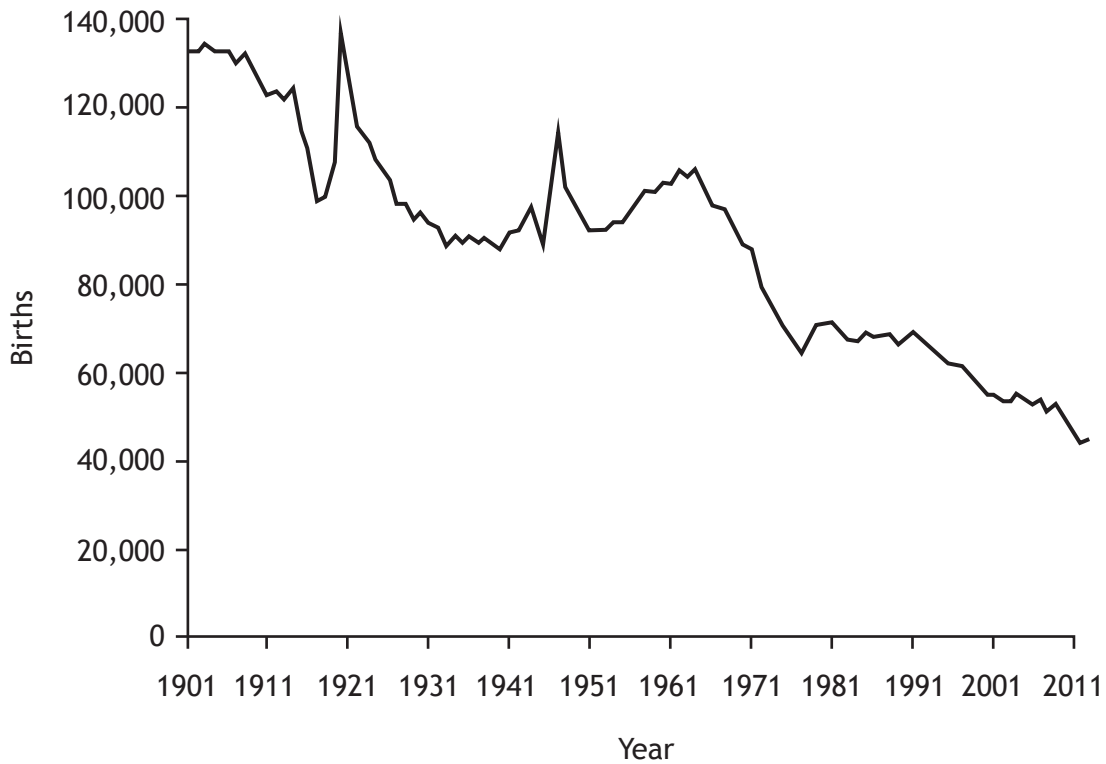
3

Birmingham Airport, a golf course, a business park and a housing area are found in Area X on the rural/urban fringe of Birmingham. Using map evidence **explain** why such developments are found there.

5

Question 7

Diagram Q7: Births in Scotland 1901–2011



Look at Diagram Q7

Give reasons why the birth rate has decreased in developed countries such as Scotland.

6

Question 8

Diagram Q8: Shanty Town Improvements in Brazil



Look at Diagram Q8

For a named city in the developing world describe, in detail, measures taken to improve conditions in shanty towns.

6

[Turn over

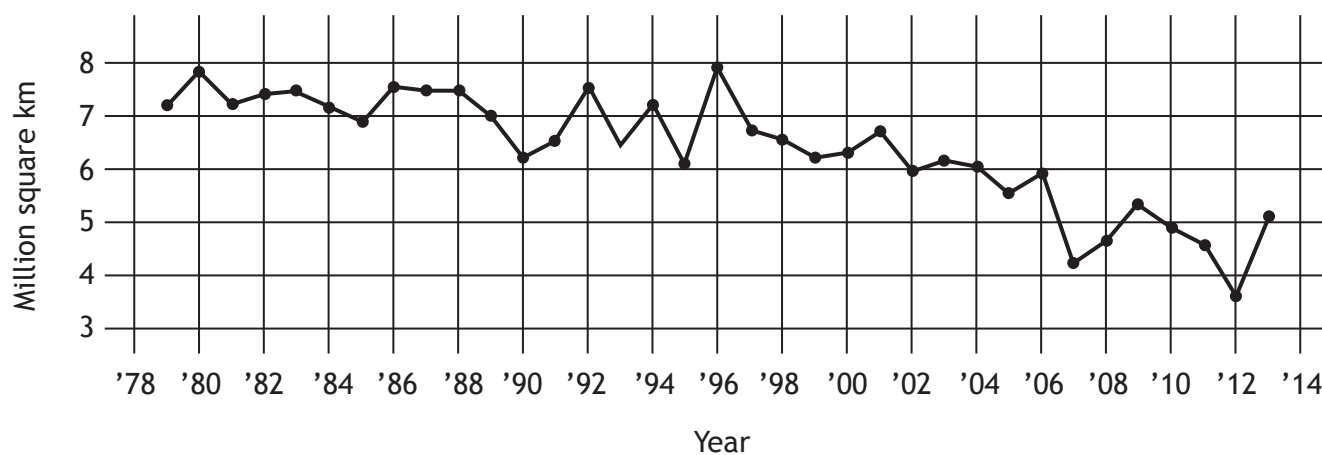
SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

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

Question 9 — Climate Change

Diagram Q9: Area of Arctic Sea Ice (1979–2013)



Study Diagram Q9

(a) Describe, in detail, the changes in the area of Arctic Sea ice. 4

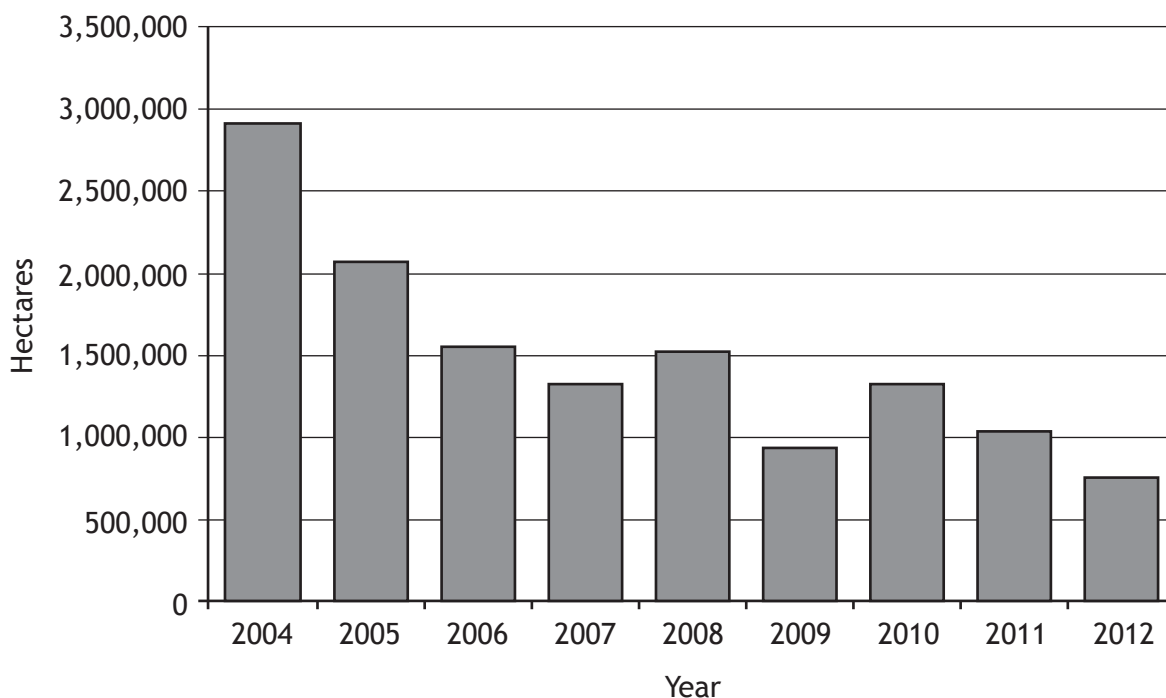
(b) Melting sea ice is one effect of climate change.

Explain some other effects of climate change. 6

[Turn over

Question 10 — Impact of Human Activity on the Natural Environment

Diagram Q10A: Deforestation in Peru 2004–2012



(a) Study Diagram Q10A.

Describe, in detail, the changes in deforestation in Peru from 2004 to 2012.

4

Diagram Q10B: Human Activity in the Tundra and Equatorial regions.



Oil pipeline in the Tundra



Cattle ranching in the Rainforest

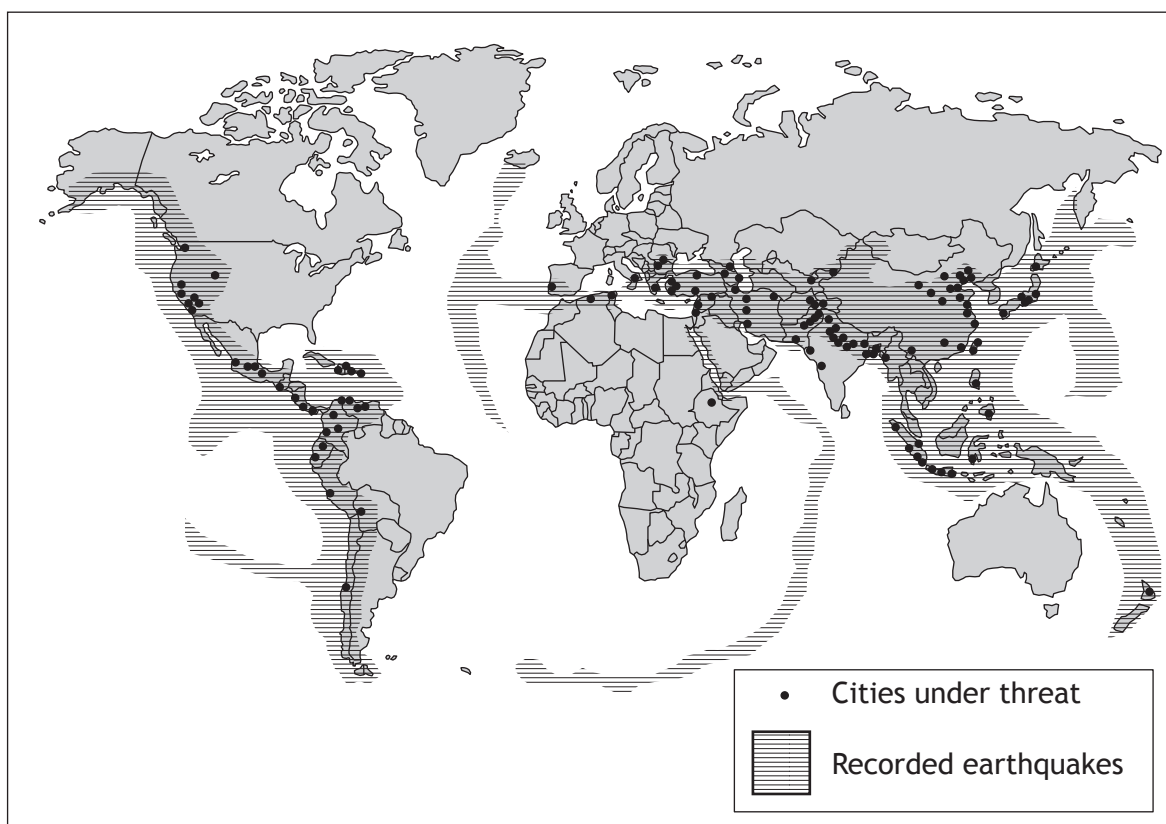
(b) Look at Diagram Q10B.

For a named area you have studied, explain the impact of recent human activity on people and the environment.

6

Question 11 — Environmental Hazards

Diagram Q11A: Earthquake Threatened Cities



(a) Study Diagram Q11A.

Describe, in detail, the distribution of cities most threatened by earthquakes.

4

Diagram Q11B: Newspaper Headline



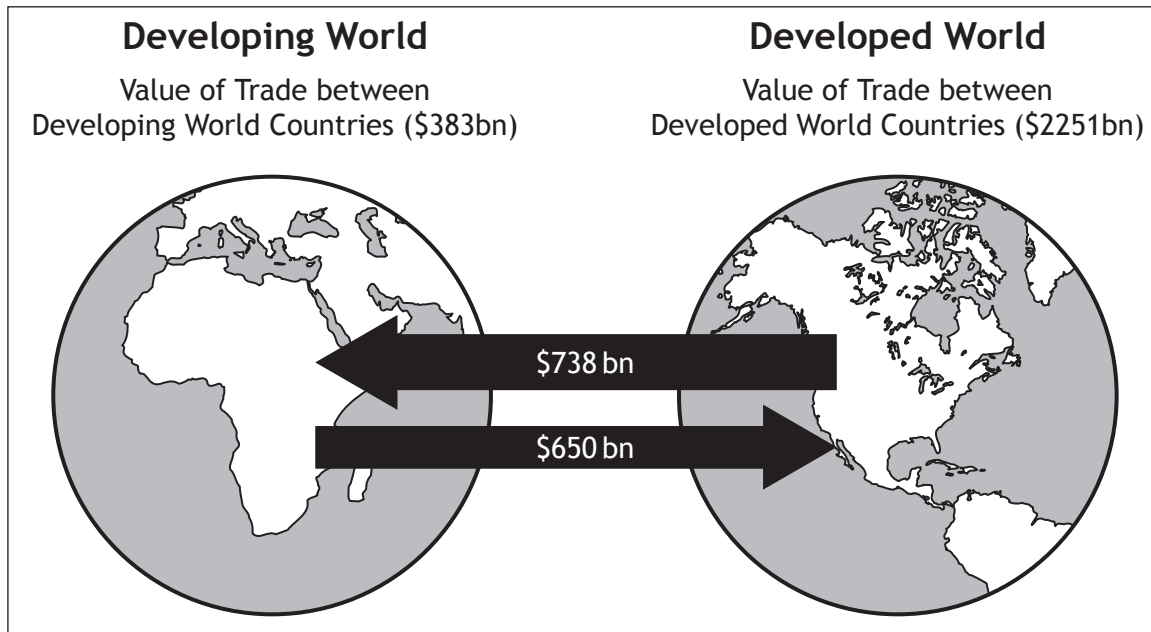
(b) Look at Diagram Q11B.

Explain, in detail, the strategies used to reduce the impact of an earthquake.

You must refer to named examples you have studied in your answer.

6

Diagram Q12A: Pattern of World Trade

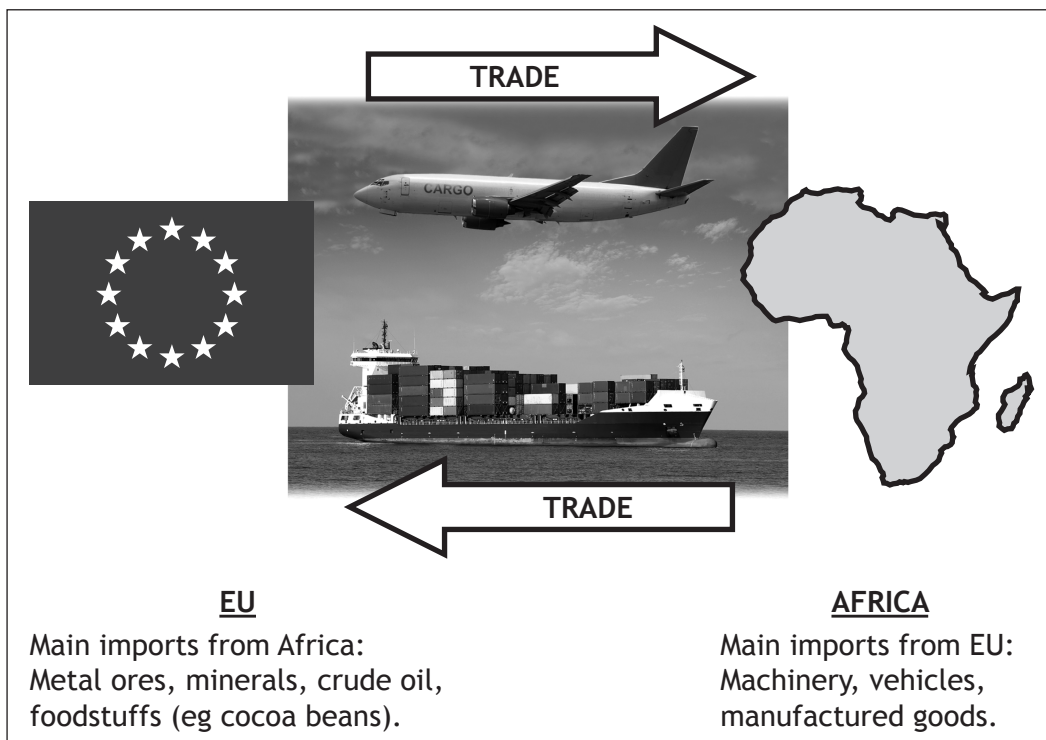


(a) Study Diagram Q12A.

Describe, in detail, the pattern of world trade.

4

Diagram Q12B: Trade Between Africa and the European Union (EU)



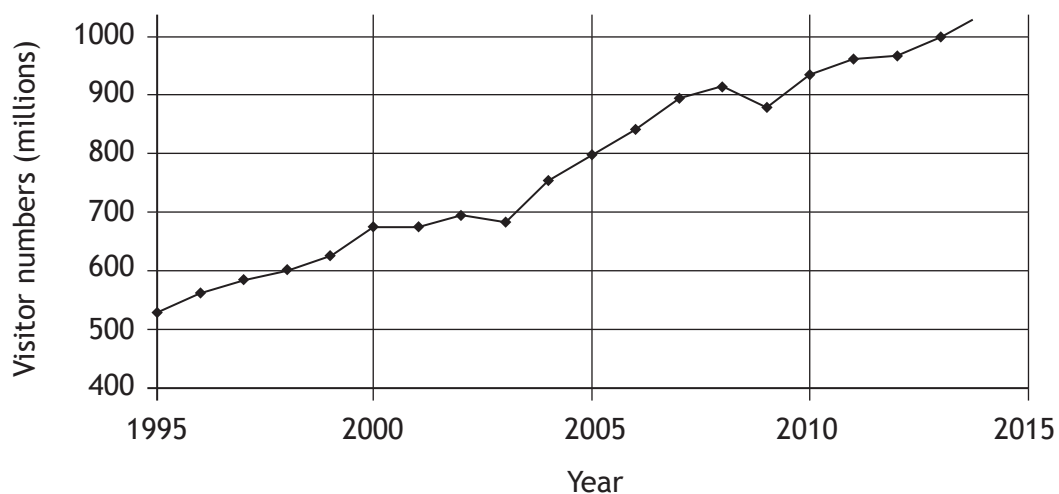
(b) Look at Diagram Q12B.

Referring to example(s) you have studied, describe the impact of world trade on people and the environment.

6

Question 13 — Tourism

Diagram Q13A: Global Visitor Numbers: 1995–2013



(a) Study Diagram Q13A.

Describe, in detail, the changes in global visitor numbers since 1995.

4

Diagram Q13B: Quote from Rainforest Community Leader

“ECO-TOURISM has helped us to support environmental protection and improve the well-being of our people all year round.”

(b) Look at Diagram Q13B.

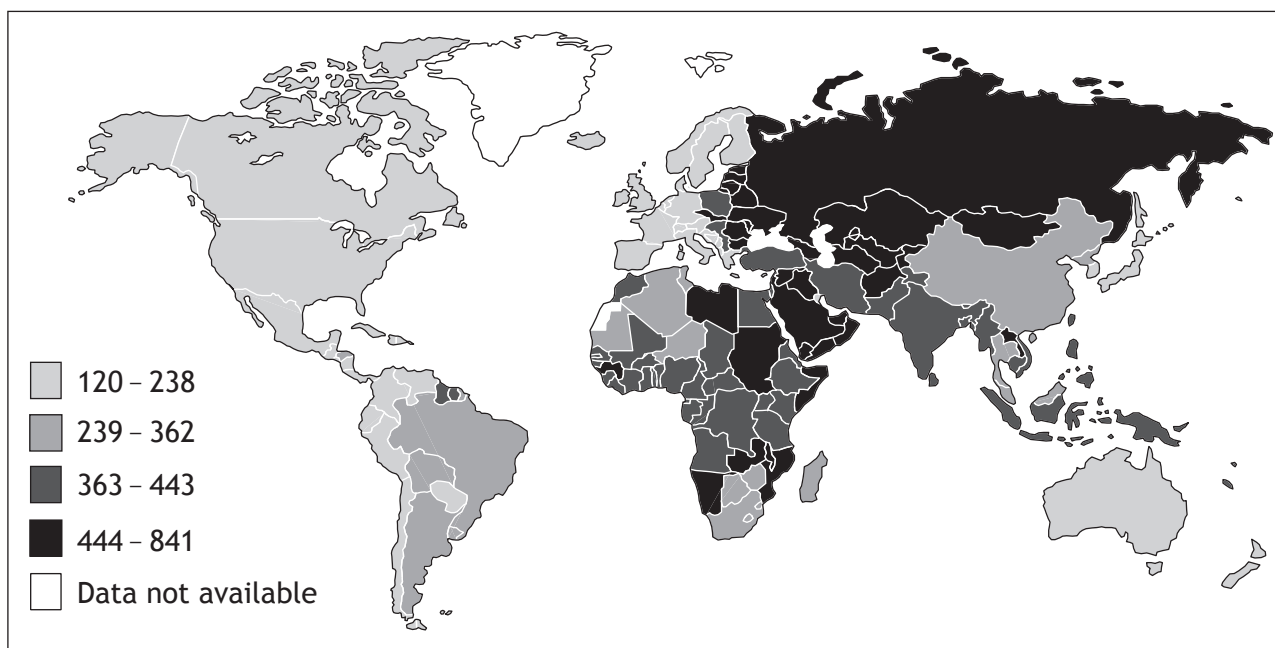
For a named tourist area you have studied, describe, in detail the impact of eco-tourism on people and the environment.

6

[Turn over for Question 14 on Page fourteen

Question 14 — Health

**Diagram Q14A: Worldwide Male Deaths from Heart Disease in 2011
(per 100,000 Males)**



(a) Study Diagram Q14A.

Describe, in detail, the distribution of male deaths from heart disease.

4

Diagram Q14B: Selected Developing World Diseases

- Malaria
- Cholera
- Kwashiorkor
- Pneumonia

(b) Choose **one** disease from Diagram Q14B above.

For the disease you have chosen, explain the methods used to control it.

6

[END OF QUESTION PAPER]

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ACKNOWLEDGEMENTS

Diagram Q10B – Gary Whitton/shutterstock.com
Kanokratnok/shutterstock.com

Diagram Q11B – justasc/shutterstock.com

Diagram Q12B – Lledo/shutterstock.com
Ivan Cholakov/shutterstock.com



National
Qualifications
2015

X733/75/21

**Geography
Ordnance Survey Map
Item A**

THURSDAY, 21 MAY

9:00 AM – 10:45 AM

The colours used in the printing of these map extracts are indicated in the four little boxes at the top of the map extract. Each box should contain a colour; if any does not, the map is incomplete and should be returned to the Invigilator.



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Four colours should appear above; if not then please return to the invigilator.
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ROADS AND PATHS Not necessarily rights of way

- Motorway (dual carriageway)
- Primary Route (recommended through route)
- Main road
- Road under construction
- Secondary road
- Narrow road with passing places
- Road generally more than 4m wide
- Road generally less than 4m wide
- Path / Other road, drive or track
- Gradient: steeper than 20% (1 in 5), 14% to 20% (1 in 7 to 1 in 5)
- Gates, Road tunnel
- Ferry (passenger), Ferry (vehicle)

RAILWAYS

- Bridges, footbridge
- Level crossing
- Viaduct, embankment
- Station, (a) principal
- Light rapid transit system station

WATER FEATURES

HEIGHTS 1 metre = 3.2808 feet

Contours are at 10 metres vertical interval
Heights are to the nearest metre above mean sea level

PUBLIC RIGHTS OF WAY

On-road cycle route
Traffic-free cycle route
National Cycle Network number
Regional Cycle Network number

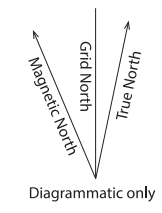
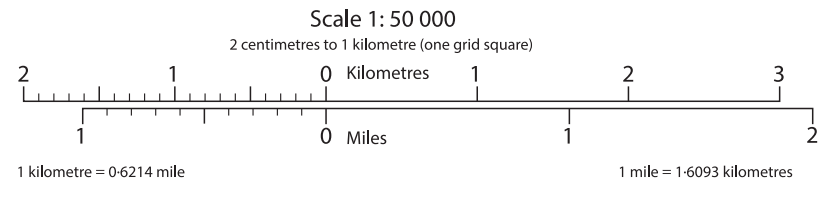
BOUNDARIES

TOURIST INFORMATION

LAND FEATURES

ABBREVIATIONS

Br	Bridge	MS	Milestone
Cemy	Cemetery	Mus	Museum
CG	Cattle grid	P	Post office
CH	Clubhouse	PC	Public convenience (in rural areas)
Fm	Farm	PH	Public house
Ho	House	Sch	School
MP	Milepost	TH	Town Hall, Guildhall or equivalent





National
Qualifications
2015

X733/75/31

**Geography
Ordnance Survey Map
Item B**

THURSDAY, 21 MAY

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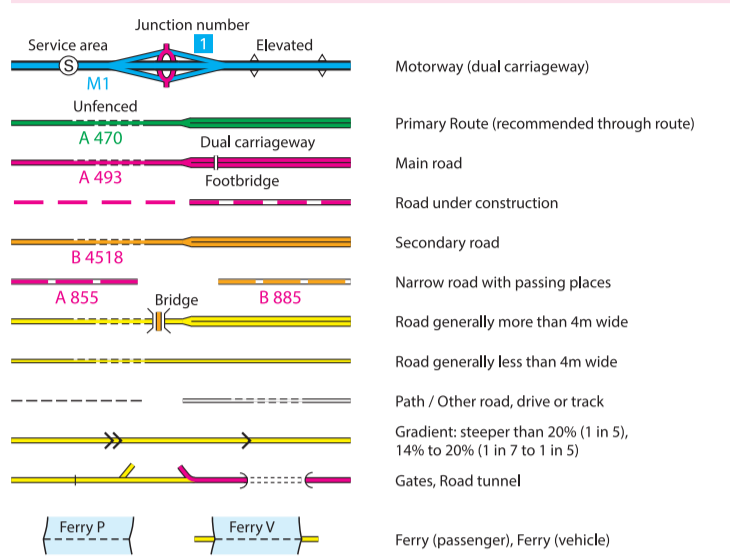


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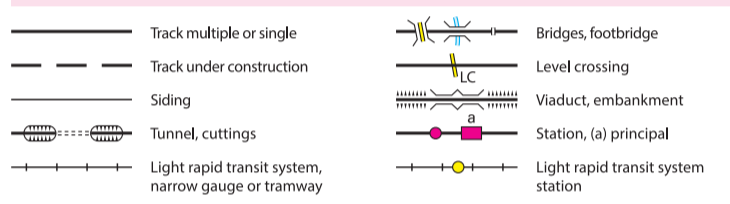


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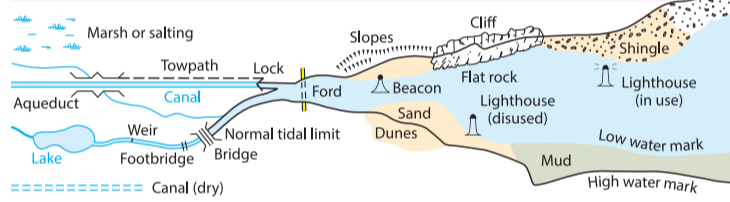
ROADS AND PATHS Not necessarily rights of way



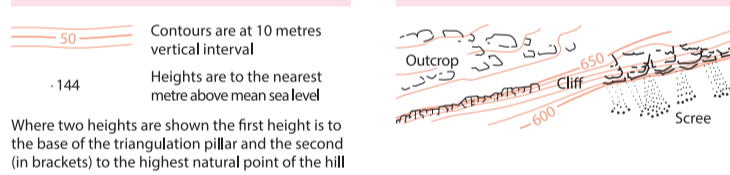
RAILWAYS



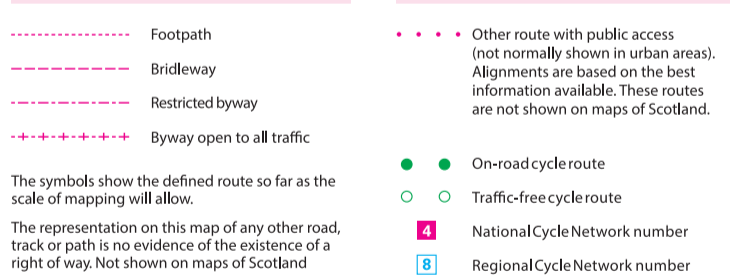
WATER FEATURES



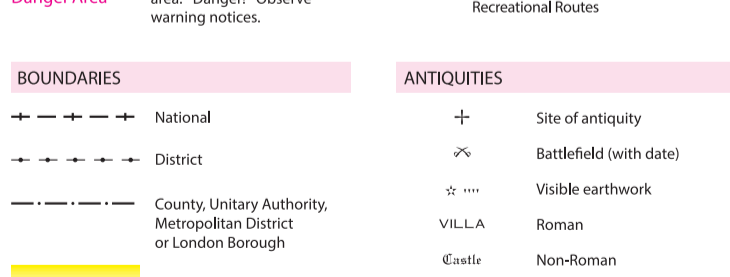
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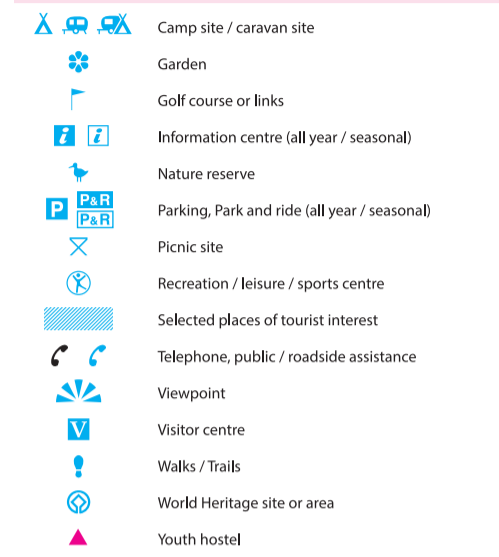
PUBLIC RIGHTS OF WAY



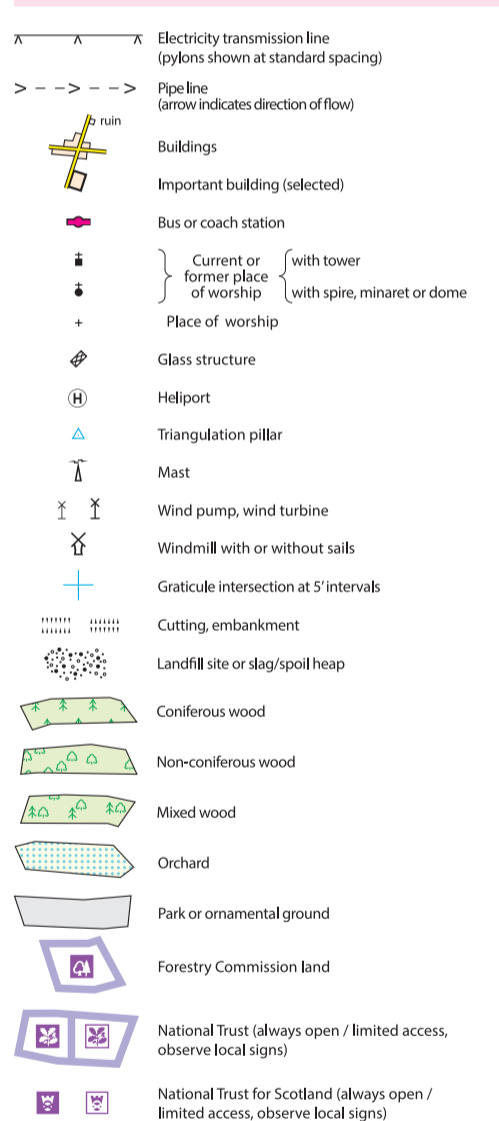
BOUNDARIES



TOURIST INFORMATION



LAND FEATURES



ABBREVIATIONS

