



National
Qualifications
2018

X833/75/11

Geography

TUESDAY, 1 MAY

INSTRUCTIONS TO CANDIDATES

Candidates should enter their surname, forename(s), date of birth, Scottish candidate number and the name and Level of the subject at the top of their first answer sheet.

Note: Only the Sections required are printed in this paper.

Total marks — 80

SECTION 1 — PHYSICAL ENVIRONMENTS — 19 marks

Attempt question 1.

THEN attempt questions 5 to 7.

SECTION 2 — HUMAN ENVIRONMENTS — 18 marks

Attempt questions 10 to 12.

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt the following **TWO** questions.

Question 15 — Environmental hazards

Question 18 — Health

Write your answers clearly on your answer sheet.

Questions marked with an asterisk differ in some respects from those in the printed paper.

Marks are shown in square brackets at the end of each question or part question.

An OW in the margin indicates a new question.



SECTION 1 — PHYSICAL ENVIRONMENTS — 19 marks

Attempt question 1

THEN questions 5 to 7

***Question 1 — Coastal landscapes**

Explain the formation of a sand spit. **[4 marks]**

Now attempt questions 5 to 7

***Question 5**

Read the two lists below.

List 1: Landscapes

Glaciated upland landscapes
Coastal landscapes
River and valley landscapes
Upland limestone landscapes

List 2: Land uses

Forestry
Water storage and supply
Industry
Farming
Recreation and tourism
Renewable energy

Choose **one** landscape type from List 1. Read List 2. For a named area you have studied, **explain in detail** ways in which land use conflicts may be managed. **[6 marks]**

***Question 6**

Refer to Diagram Q6. The average temperature in different areas of the UK is affected by a number of different factors. **Explain** the factors which affect average temperatures in the UK. **[4 marks]**

***Question 7**

To answer Question 7 you will need to study Diagram Q7a which is an outline map of the UK with Stirling located and Diagram Q7b which is the synoptic chart for Monday, 16 April 2016 at 8 am, with Stirling located.

Explain the changes that will take place in the weather in Stirling over the next 24 hours. **[5 marks]**

SECTION 2 — HUMAN ENVIRONMENTS — 18 marks

Attempt questions 10 to 12

***Question 10**

Inner city problems include:

- Low quality housing
- Derelict properties
- Areas of wasteland
- Few amenities
- High levels of unemployment

Referring to a **developed** world city you have studied, give reasons for recent changes which have taken place in the inner city. **[6 marks]**

***Question 11**

Changes in farming in developing countries:

- Increased technology
- Biofuels
- Genetically modified crops (GM)

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 marks]**

***Question 12**

- *(a)** To answer Question 12(a), you will need to study the key for use with Question 12 — Map 12A and Map 12B, Map 12A and Map 12B together. Map 12A is a map of the Americas and Map 12B a map of the rest of the world. **Describe, in detail, the different Gross National Incomes in 2015 worldwide. [4 marks]**

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)** Refer to 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 the following TWO questions

Question 15 — Environmental hazards

page 6

Question 18 — Health

page 7

***Question 15: Environmental hazards**

- (a) Study Diagram Q15A.

Describe, in detail, the changes in estimated damage caused by natural disasters from 1990 to 2012. **[4 marks]**

- (b) A news report on April 22nd 2015 reads: “BREAKING NEWS: Mount Calbuco, Chile is erupting . . . first activity since 1972.”.

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 marks]**

***Question Q18: Health**

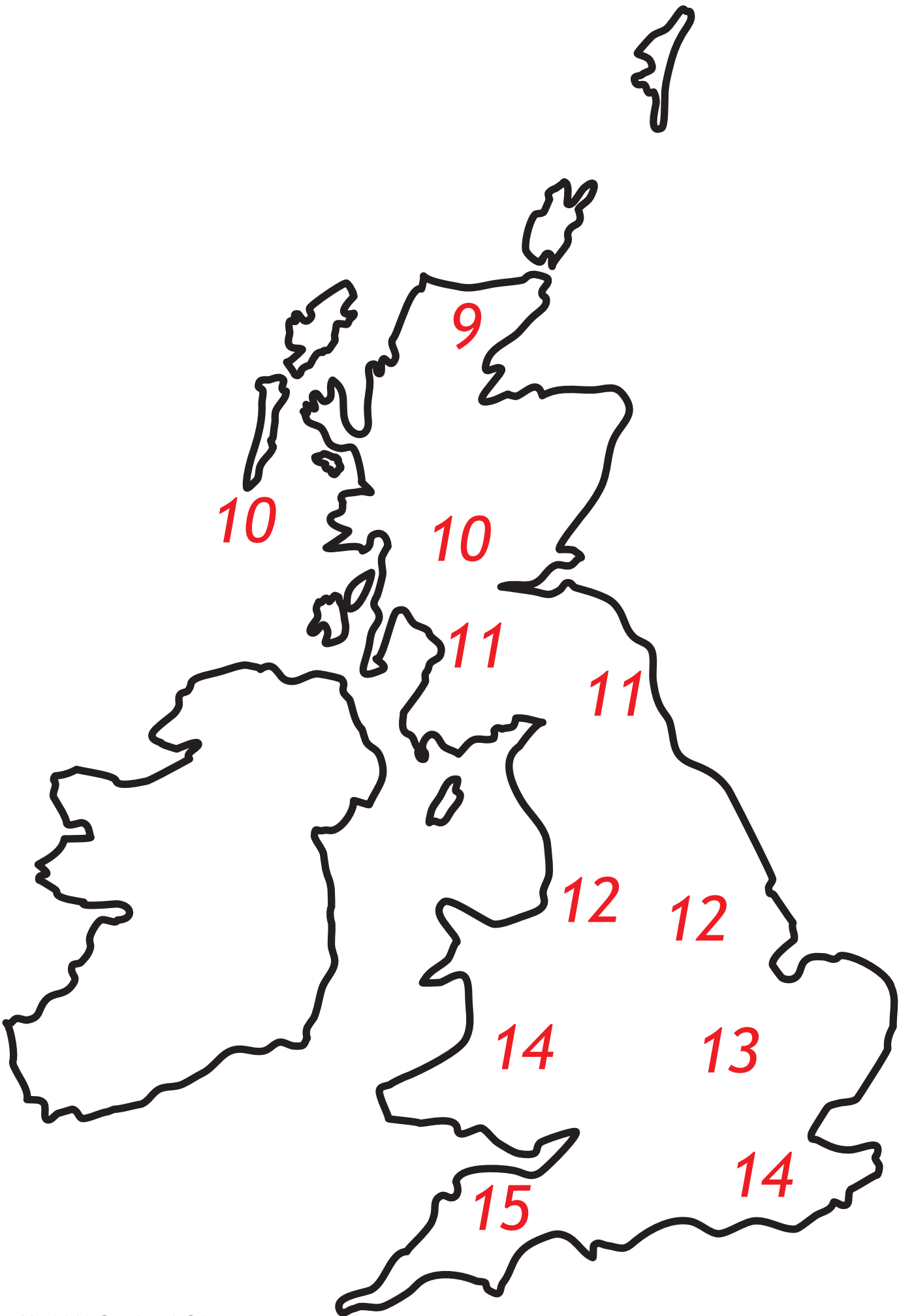
- *(a) To answer Question 18, you will need to study the key for use with Question 18 — Map 18A and Map 18B, Map 18A and Map 18B together. Map 18A is a map of the Americas and Map 18B a map of the rest of the world. **Describe, in detail**, the global distribution of HIV/AIDS infection amongst adults. **[4 marks]**

- (b) **Explain** the effects of HIV/AIDs on the populations of **developing** countries. **[6 marks]**

[END OF QUESTION PAPER]

Diagram Q6: Average annual
UK temperatures

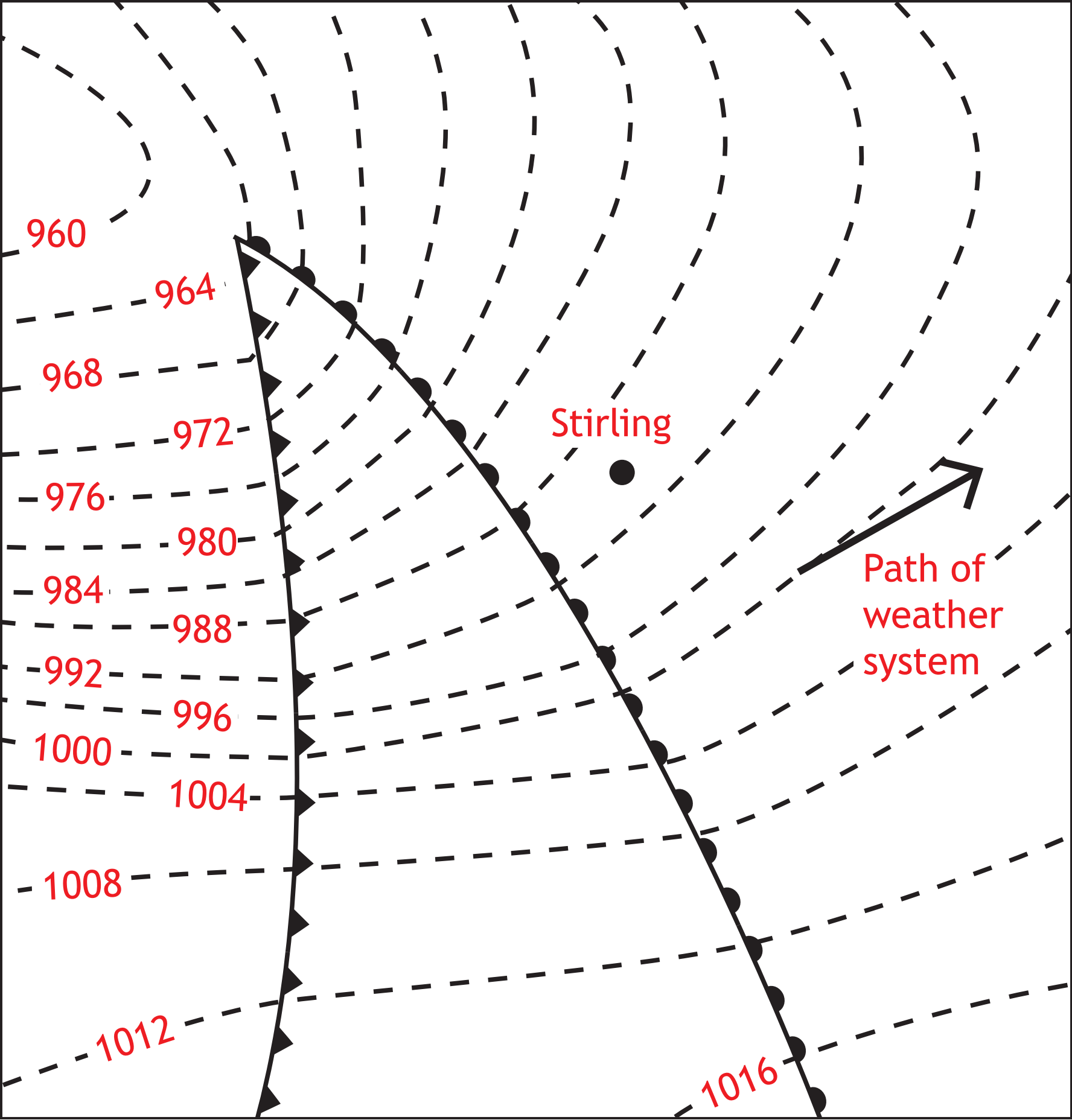
The numbers below show the average annual
UK temperatures



*Diagram Q7a: Outline map of UK
with Stirling located*



Diagram Q7b: the synoptic chart for Monday 16th April 2016 at 8am, with Stirling located



Key for use with Q12 - Map 12A and Map 12B

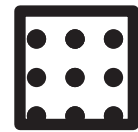
Trillions US\$



No data



< 1.06



1.06 - 2.74



2.75 - 4.93



> 4.93

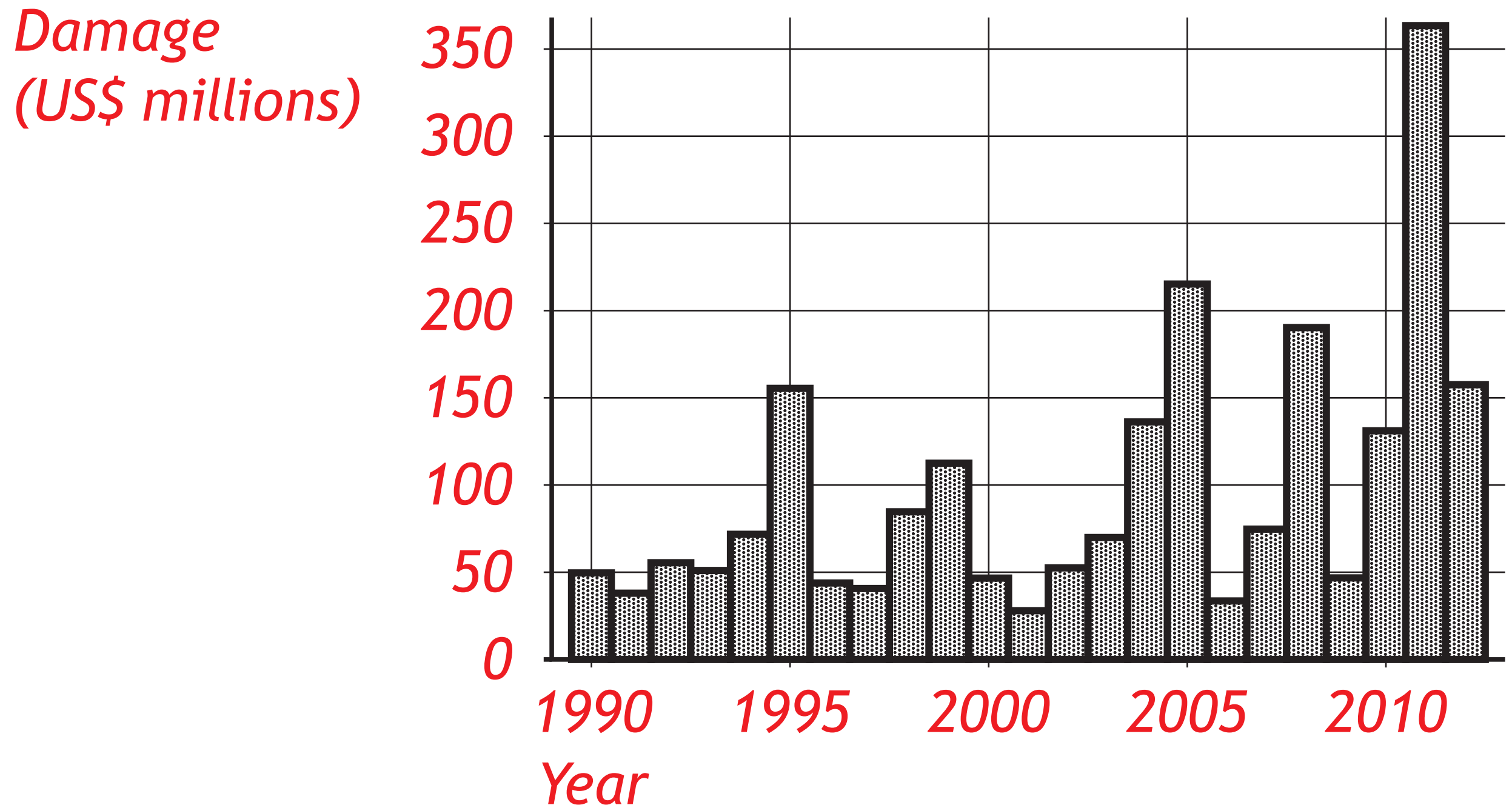
Map 12A - the Americas



Map 12B - the rest of the world

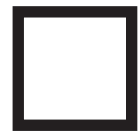


Diagram Q15A: Estimated Damage (US\$ millions) caused by natural disasters 1990 - 2012



Key for use with Q18 - Map 18A and Map 18B

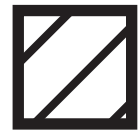
Key:



N/A



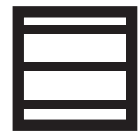
< 1%



1-5%



6-10%



> 10%

Map 18A - the Americas



Map 18B - the rest of the world

