



National  
Qualifications  
2022 MODIFIED

X833/75/11

Geography

WEDNESDAY, 27 APRIL

1:00 PM – 3:05 PM

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Total marks — 70

**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 — 10 marks**

Attempt any **ONE** of the following.

Question 15 — Climate change

Question 16 — Natural regions

Question 17 — Environmental hazards

Question 18 — Trade and globalisation

Question 19 — Tourism

Question 20 — 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 — Glaciated landscapes/coastal landscapes**

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

Give map evidence which shows that this is an area of **upland glaciated scenery**.

You may use grid references in your answer.

**4**

- (b) **Explain** the formation of headlands and bays.

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/upland limestone landscapes**

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

Using map evidence, **describe the physical** features of the lorna Water and its valley between 950450 to 920383.

You may use grid references in your answer.

4

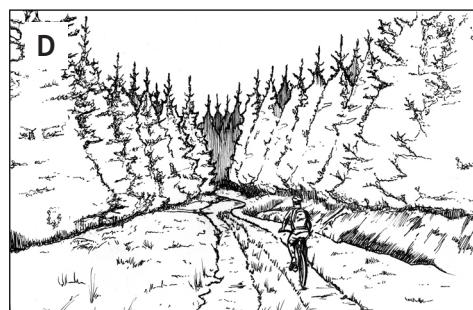
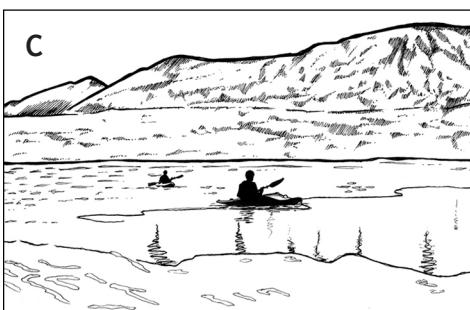
- (b) **Explain** the formation of stalagmites and stalactites.

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

4

**Now attempt Questions 3 to 7**

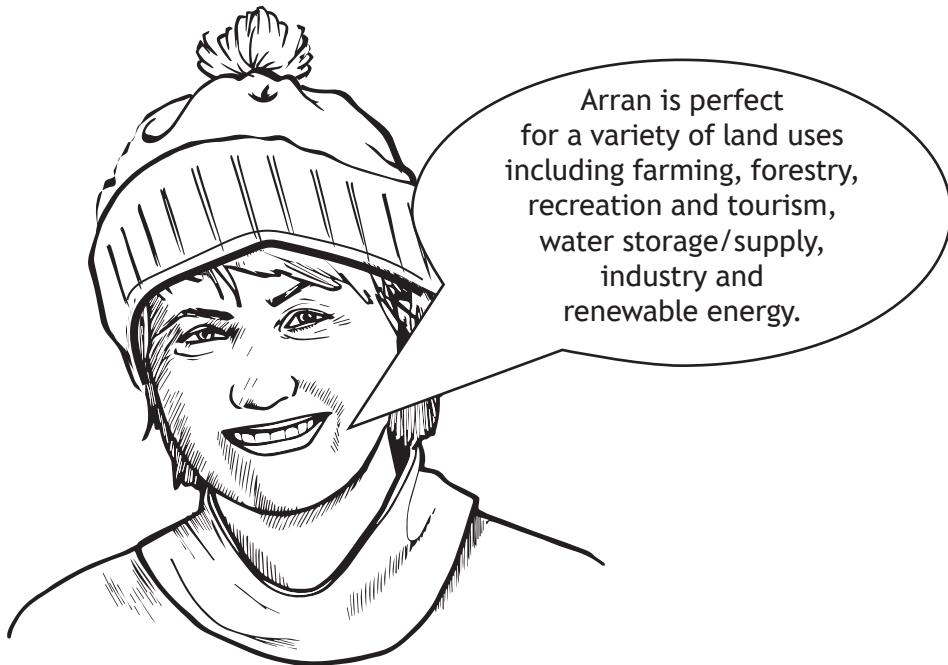
[Turn over

**Question 3****Diagram Q3 Field sketches of selected locations in Arran**

Study Diagram Q3 and the Ordnance Survey map extract (Item A) of the Arran area.

Match each of the sketches A, B, C and D with the correct grid references.

Choose from grid references **932510, 985468, 015353, 974463, 928445.**

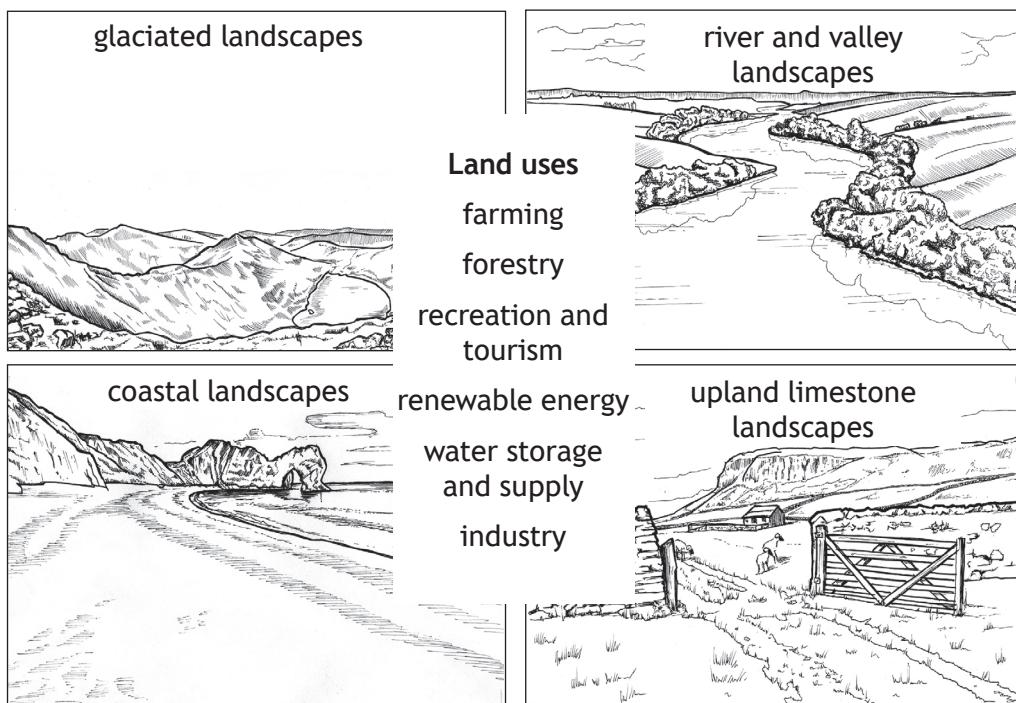
**Question 4****Diagram Q4 Statement from an Arran resident****Arran resident**

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

For **two** land uses you have studied **describe, in detail**, the advantages of this area for your chosen land uses.

You should use map evidence in your answer.

**4****[Turn over**

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

Look at Diagram Q5.

Choose **one** landscape type from Diagram Q5

- (a) For the landscape type chosen **describe** ways in which at least **two** of the land uses shown above can be in conflict. 4
- (b) **Describe** possible solutions to these conflicts. 3

**Question 6****Diagram Q6** London weather station information

Oktas	Wind direction	Windspeed (knots)	Precipitation
2	NW	20	none

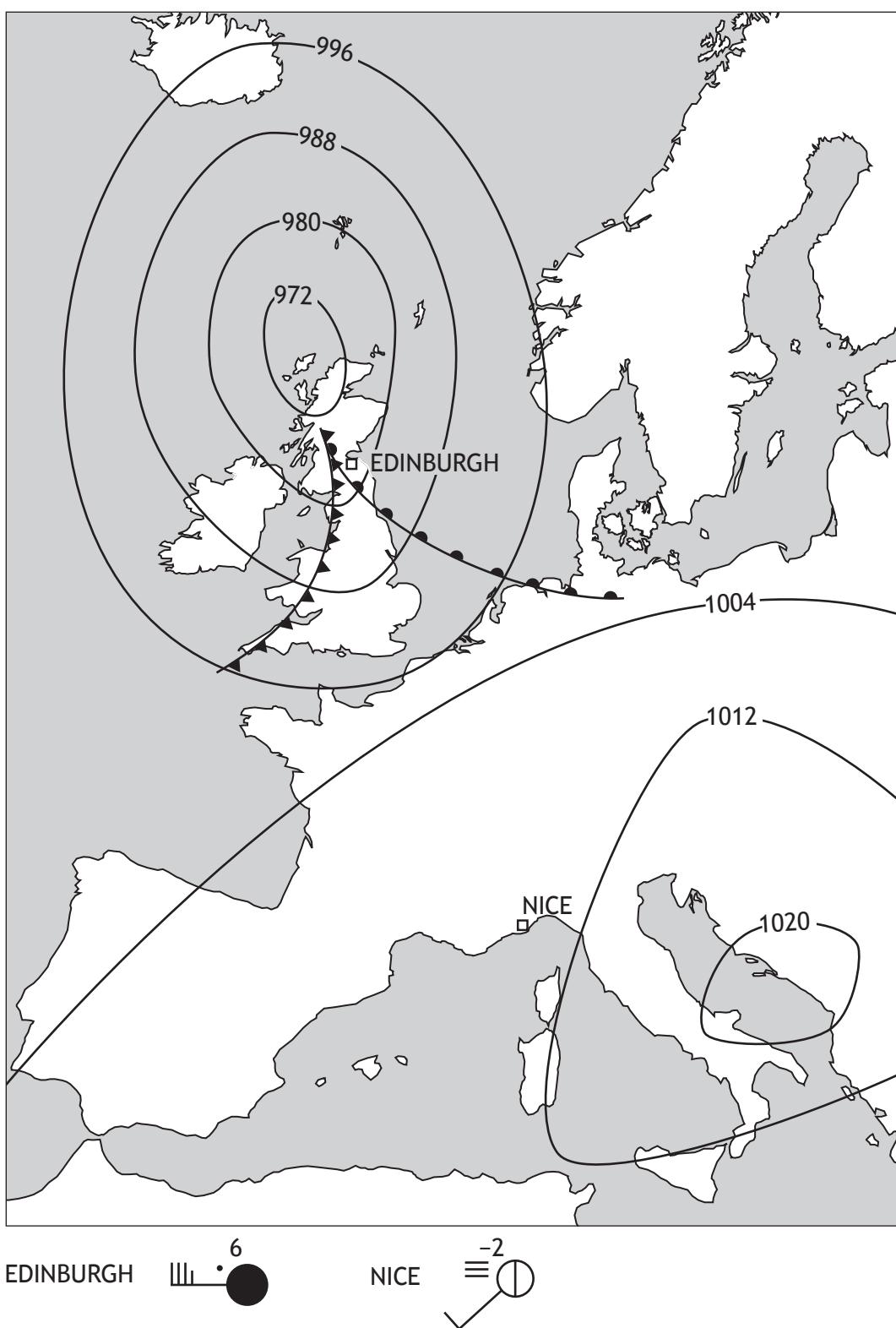
Study Diagram Q6.

Use the information in the table to draw a weather station circle for London.

3

[Turn over

Diagram Q7 Synoptic chart for 6 am, 12 February 2021



Study Diagram Q7.

Edinburgh and Nice will be experiencing very different weather conditions.

Give reasons for these differences.

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

Study the Ordnance Survey map extract (Item B) of the Sheffield 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 hospital near Lightwood (3782) to the school near Normanton Spring (4084)
B	From the bus station (3587) to the railway station (4285)
C	From the garden (3386) to the Nature reserve near Normanton Spring (4084)

Choose from the following distances:

**6.75 km      7.25 km      5.5 km      4 km**

**3****[Turn over**

**Question 9**

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

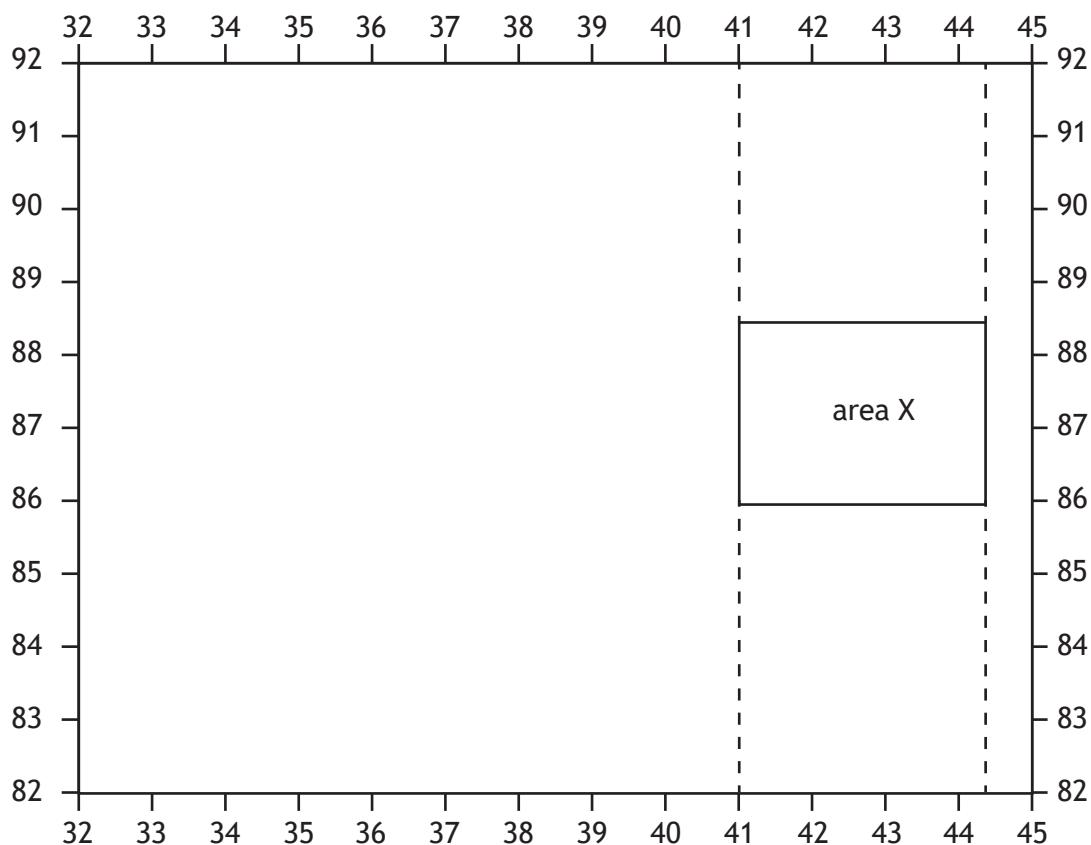
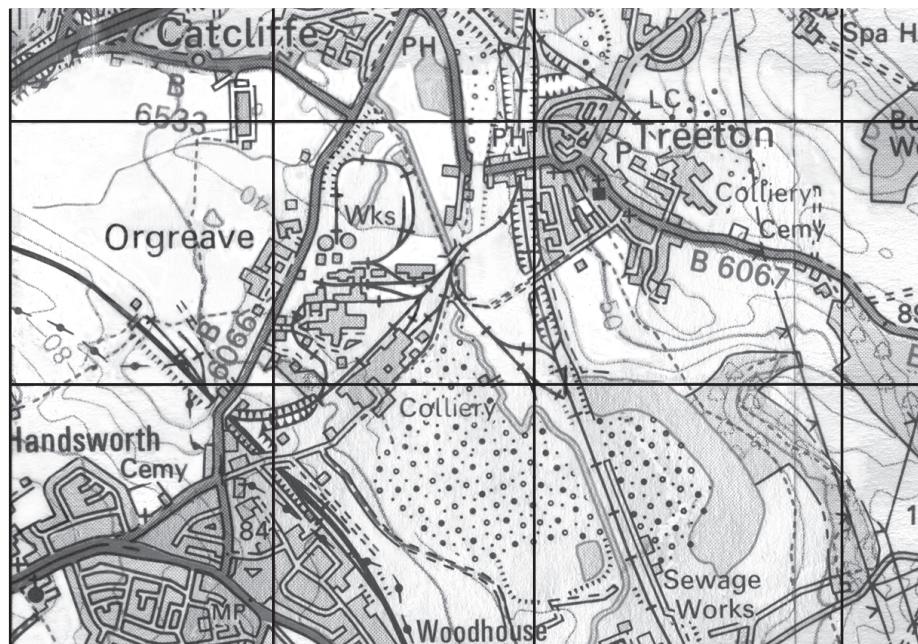
**Match** the urban land use zones with the correct grid references.

Urban land use zones:

- CBD
- old industry
- new housing.

Choose from grid references **4089, 3587, 3388, 4183.**

**3**

**Diagram Q10A** Present day map showing the location of area X**Diagram Q10B** Area X in 1994

Study the Ordnance Survey map extract (Item B) of the Sheffield area and Diagrams Q10A and Q10B.

**Describe** the changes that have taken place in area X between 1994 and the present day.

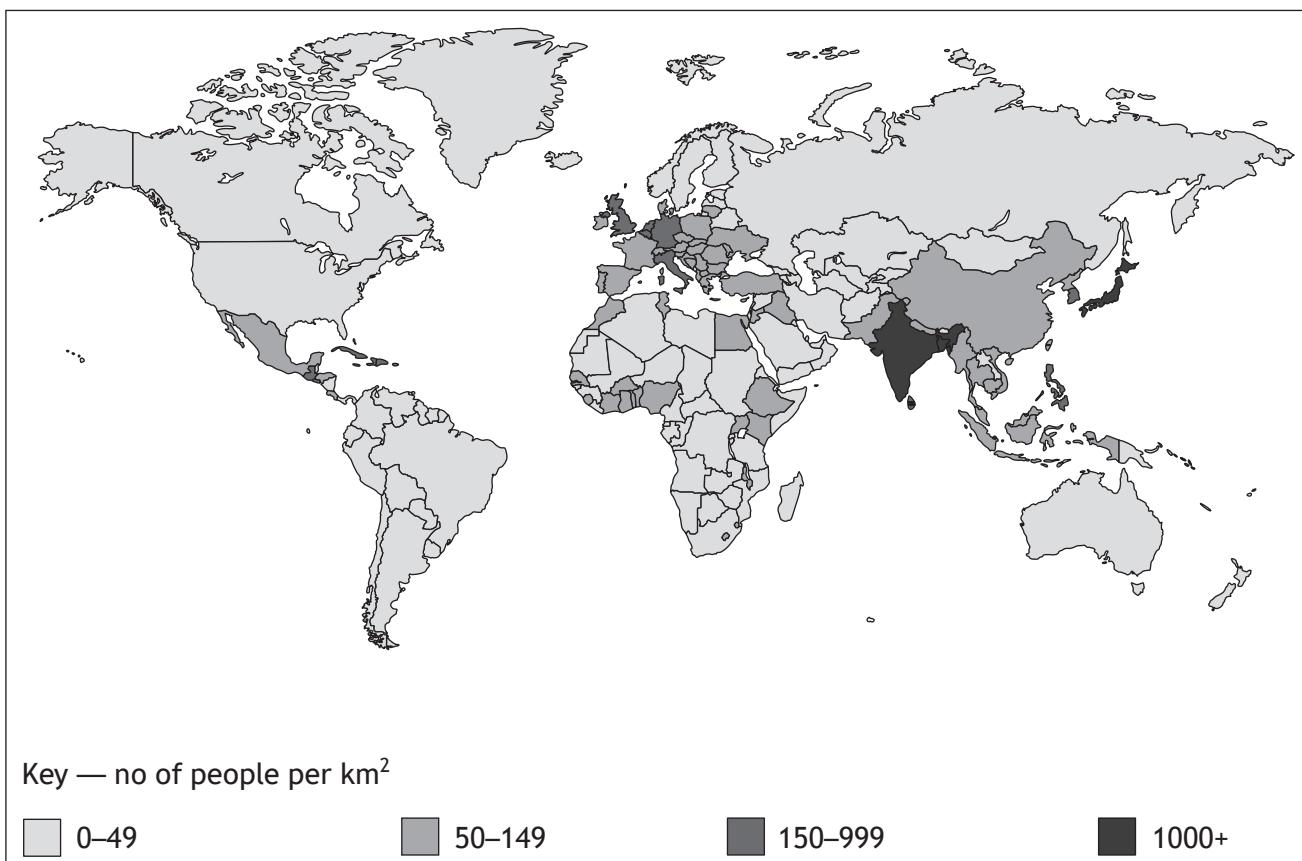
**Question 11**

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

Meadowhall shopping centre is located in grid squares 3990 and 3991.

Using map evidence, give **reasons** why this location was chosen.

4

**Question 12****Diagram Q12 World population density**

Look at Diagram Q12.

Give reasons for the differences in population density across the world.

You may refer to both physical and human factors in your answer.

6

[Turn over

**Question 13****Diagram Q13** Informal housing in South America

Look at Diagram Q13.

Referring to an area you have studied, **explain** recent improvements that have taken place in shanty towns.

4

**Question 14****Diagram Q14 Recent changes in farming**

Developed world	Developing world
diversification new technology organic farming GM crops government policy	GM crops new technology biofuels

Look at Diagram Q14.

For a named country that you have studied, in either the developed or developing world, explain the impact of recent changes in farming.

Your answer should refer to at least two changes.

6

[Turn over

### **SECTION 3 — GLOBAL ISSUES — 10 marks**

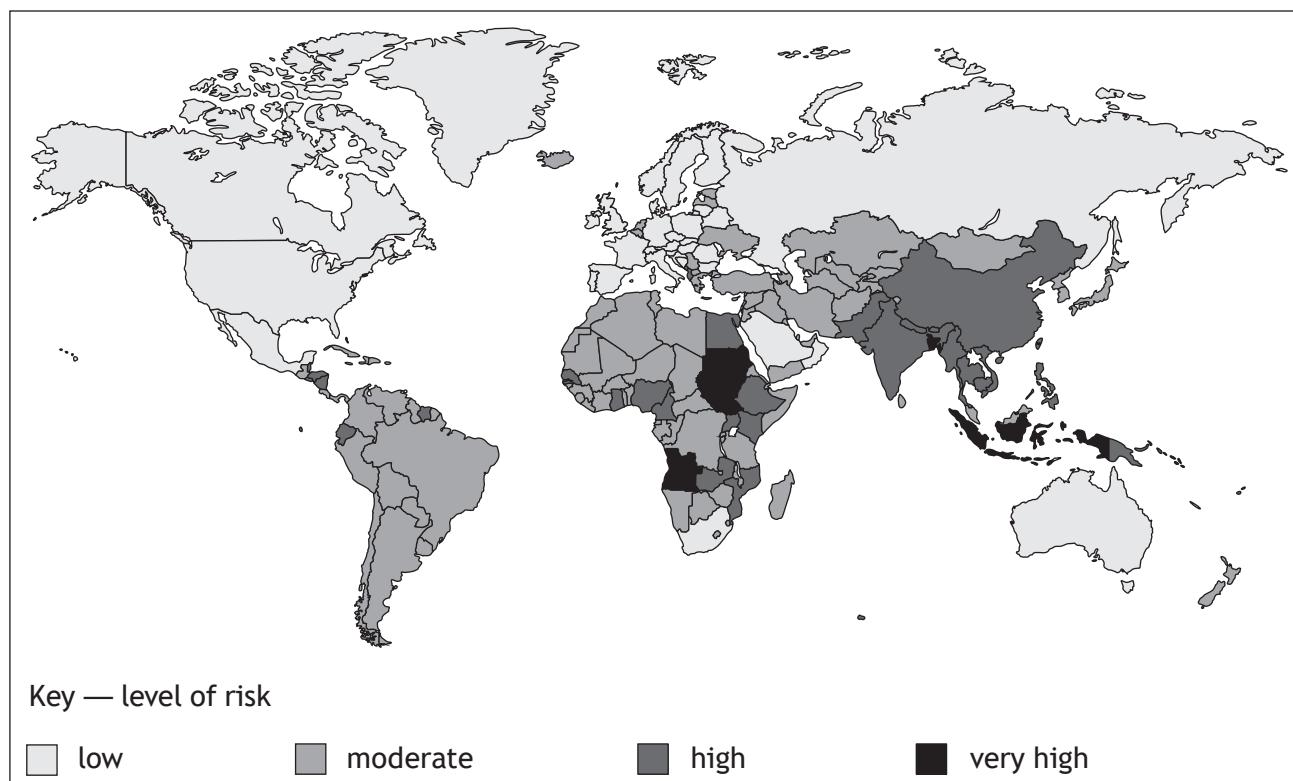
**Attempt any ONE of the following**

Question 15 — Climate change	<i>page 17</i>
Question 16 — Natural regions	<i>page 18</i>
Question 17 — Environmental hazards	<i>page 20</i>
Question 18 — Trade and globalisation	<i>page 22</i>
Question 19 — Tourism	<i>page 24</i>
Question 20 — Health	<i>page 26</i>

**Question 15 — Climate change**

**Diagram Q15A Countries at risk from the effects of climate change**

**MARKS**

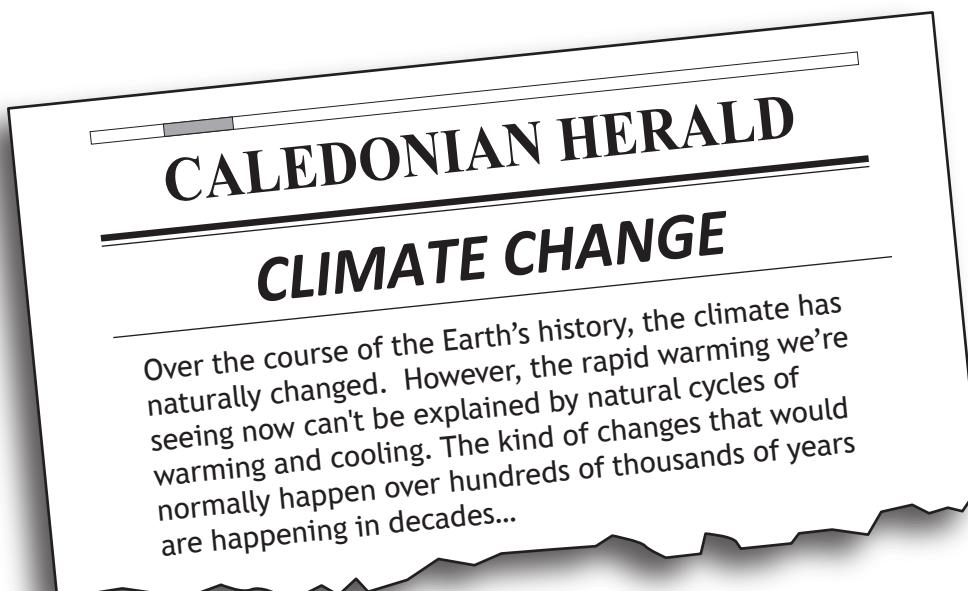


- (a) Study Diagram Q15A.

**Describe, in detail, the distribution of countries at risk from the effects of climate change.**

**4**

**Diagram Q15B News headline**



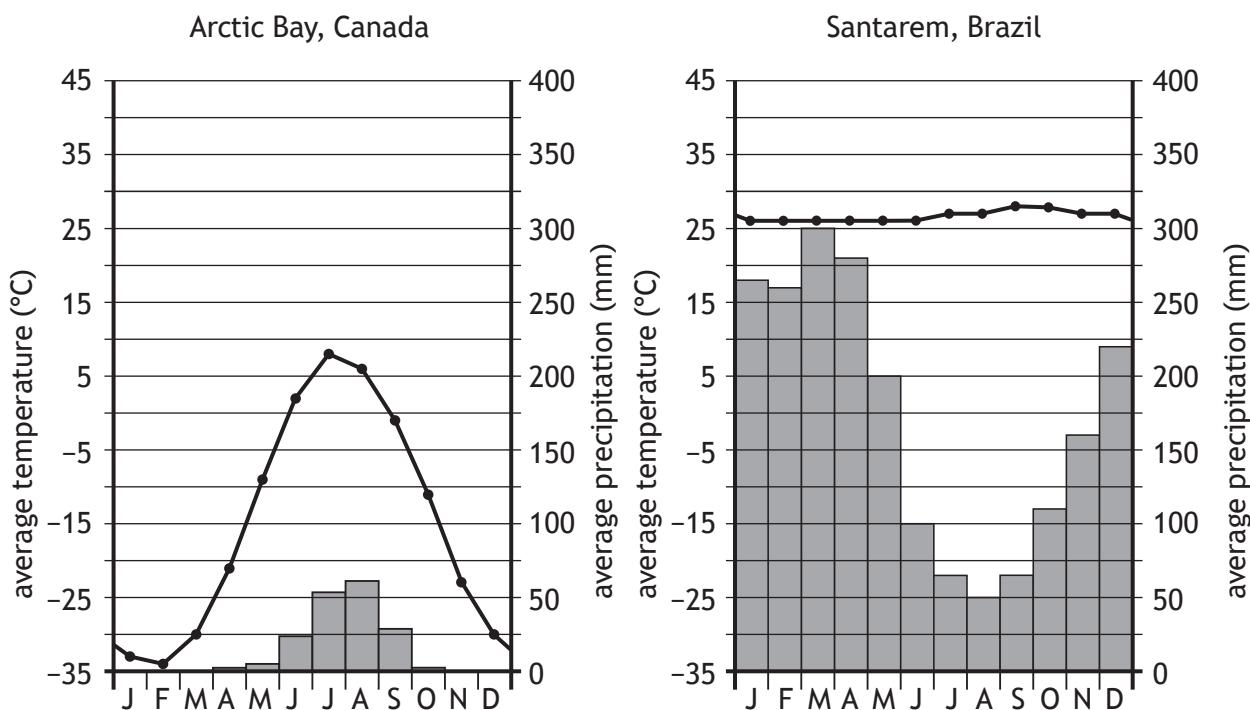
- (b) Look at Diagram Q15B.

**Explain the human causes of climate change.**

**6**

**Question 16 — Natural regions**

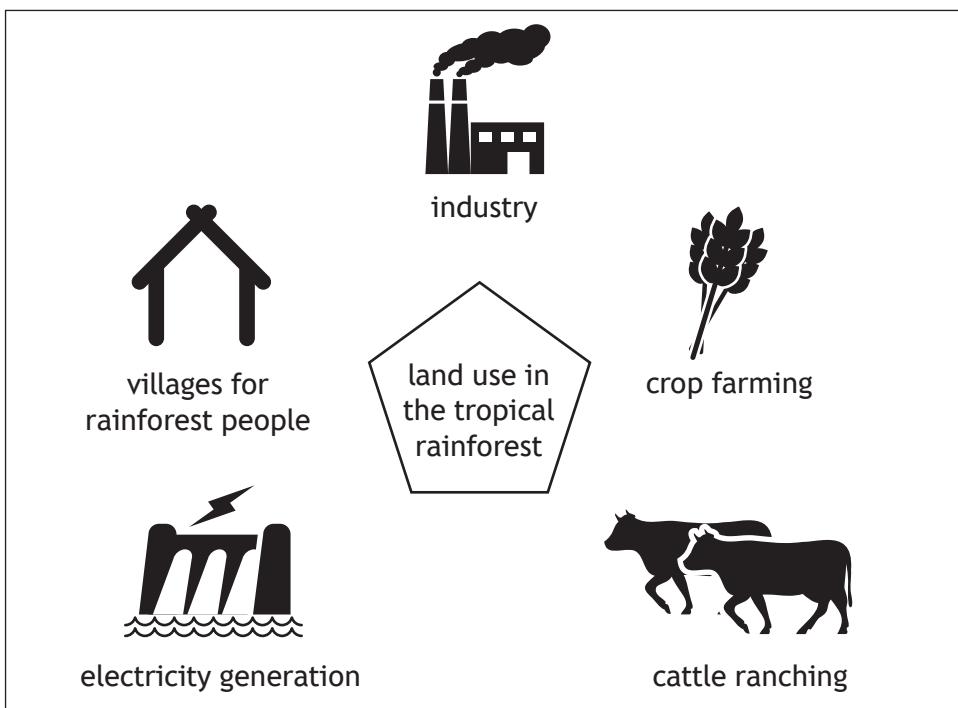
**Diagram Q16A Climate graphs**



(a) Study Diagram Q16A.

Describe, in detail, the differences between the two climates shown.

4

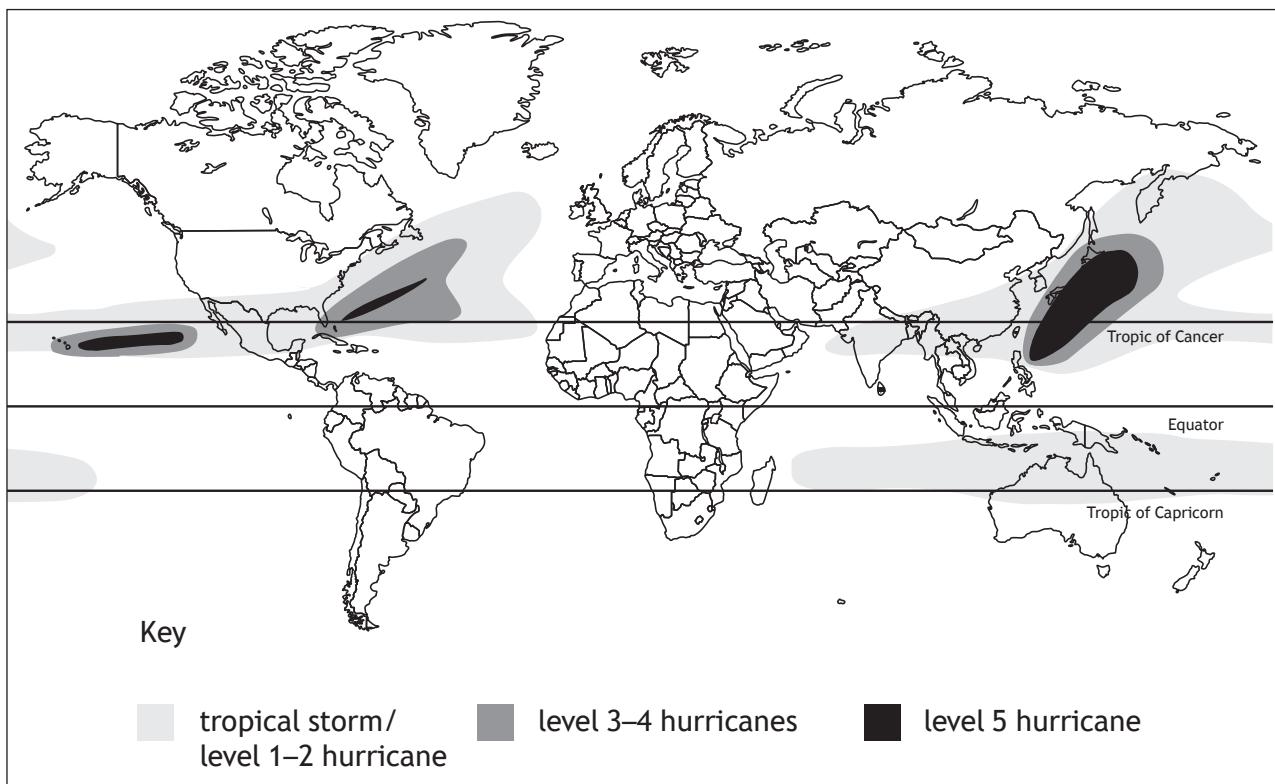
**Question 16 — Natural regions (continued)****Diagram Q16B Selected uses of the rainforest**

(b) Look at Diagram Q16B.

Explain the different ways that the world's rainforests are being used and misused.

6

**[Turn over**

**Question 17 — Environmental hazards****Diagram Q17A Distribution of tropical storms/hurricanes. 1945–2020.**

- (a) Study Diagram Q17A.

**Describe, in detail, the distribution of tropical storms and hurricanes throughout the world.**

4

**Question 17 — Environmental hazards (continued)****Diagram Q17B Earthquake damage**

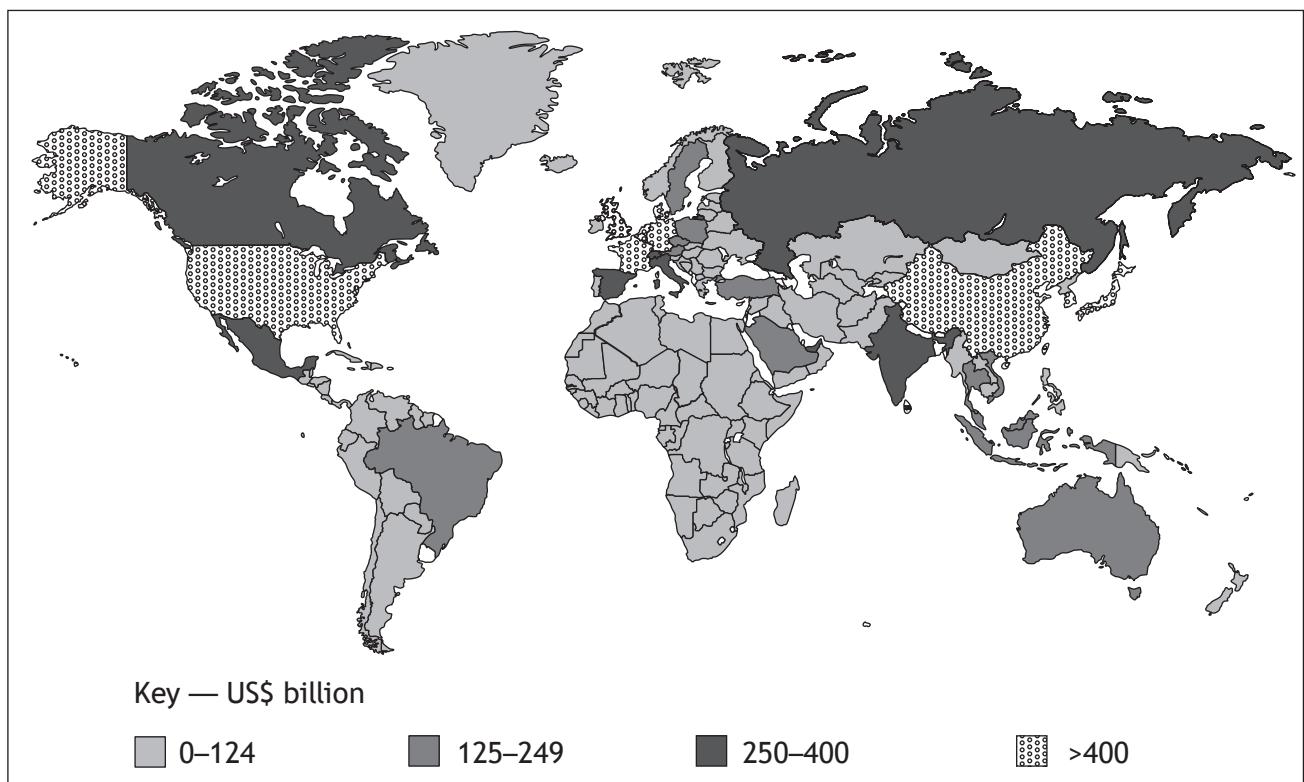
(b) Look at Diagram Q17B.

**Explain** the strategies used to reduce the impact of an earthquake.

You must refer to a named example(s) you have studied in your answer.

**6**

[Turn over

**Question 18 — Trade and globalisation****Diagram Q18A Worldwide trade value 2018**

(a) Study Diagram Q18A.

Describe, in detail, the worldwide trade of goods and services in 2018.

4

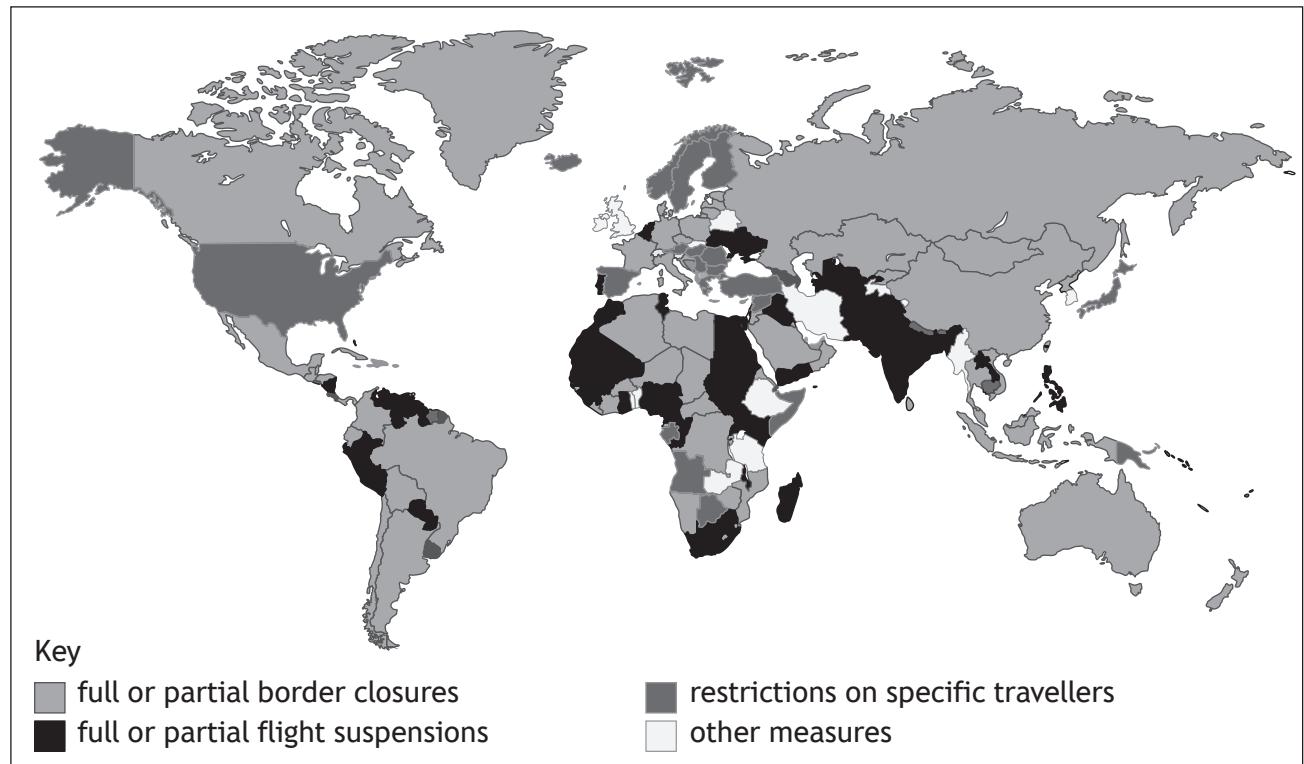
**Question 18 — Trade and globalisation (continued)****Diagram Q18B Selected trade alliances**

(b) Look at Diagram Q18B.

**Explain the benefits and problems for countries that are members of a trade alliance.**

6

**[Turn over**

**Question 19 — Tourism****Diagram Q19A Travel restrictions around the world, April 2020**

(a) Study Diagram Q19A.

Describe, in detail, travel restrictions around the world in April 2020.

4

**Question 19 — Tourism (continued)****Diagram Q19B Mass tourism in Venice, Italy**

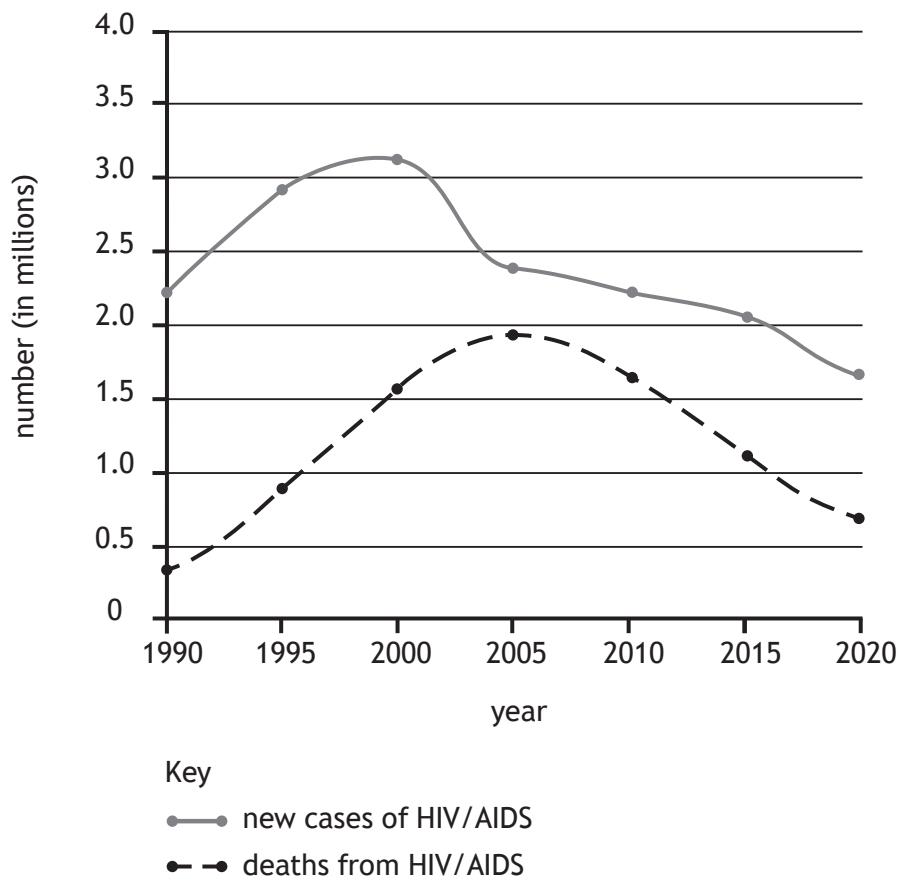
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- (b) Look at Diagram Q19B.

Referring to an area you have studied, **describe in detail**, the impacts of mass tourism.

6

[Turn over

**Question 20 — Health****Diagram Q20A New cases and deaths from HIV/AIDS worldwide**

- (a) Study Diagram Q20A.

**Describe, in detail, the changes in the number of new cases and deaths from HIV/AIDS.**

## Question 20 — Health (continued)

Diagram Q20B Newspaper report



(b) Look at Diagram Q20B.

Choose **one** life-threatening disease from Diagram Q20B.

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

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