



National
Qualifications
2024

X833/75/11

Geography

TUESDAY, 23 APRIL

1:00 PM – 3:20 PM

Total marks — 80

SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks

Attempt **EITHER** question 1 **OR** question 2

THEN attempt questions 3 to 5.

SECTION 2 — HUMAN ENVIRONMENTS — 30 marks

Attempt **ALL** questions.

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any **TWO** of the following.

Question 13 — Climate change

Question 14 — Natural regions

Question 15 — Environmental hazards

Question 16 — Trade and globalisation

Question 17 — Tourism

Question 18 — 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.



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SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks

Attempt EITHER Question 1 OR Question 2

THEN Questions 3 to 5

Question 1 — Glaciated landscapes/coastal landscapes

- (a) Study the Ordnance Survey map extract (Item A) of the Ingleborough area. Match the glaciated landscape features to the correct grid references.

Features: U-shaped valley corrie pyramidal peak

Choose from grid references: 741746 825735 808713 742835

3

Diagram Q1 Corrie



- (b) Look at Diagram 01.

Explain the formation of a corrie.

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

4

- (c) Explain different ways in which people use glaciated landscapes.

Now attempt Questions 3 to 5

Do not attempt Question 2 if you have already answered Question 1

Question 2 — Rivers and their valleys/upland limestone landscapes

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

Match the limestone features to the correct grid references.

Features: cave/cavern limestone pavement potholes

Choose from grid references: 822744 735825 715793 785724

3

Diagram Q2 Limestone cave/cavern



- (b) Look at Diagram Q2.

Explain the formation of a limestone cave/cavern.

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

4

- (c) **Explain** different ways in which people use limestone landscapes.

4

Now attempt Questions 3 to 5

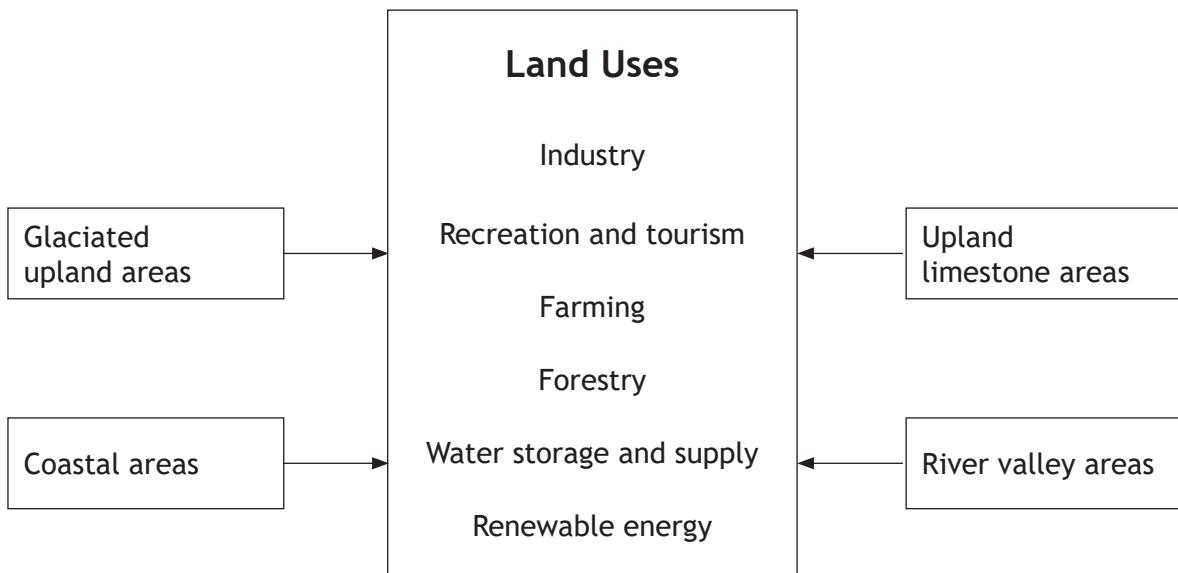
Question 3**Diagram Q3 Outdoor activity centre**

Look at Diagram Q3 and the Ordnance Survey map extract (Item A) of the Ingleborough area.

There are plans to build an outdoor activity centre at 808715.

Explain the advantages and disadvantages of the map area for this development.

5

Question 4**Diagram Q4 Selected Landscapes in UK**

Look at Diagram Q4.

Choose **one** landscape from Diagram Q4.

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

6

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Question 5

Diagram Q5A Synoptic Chart for 15 November

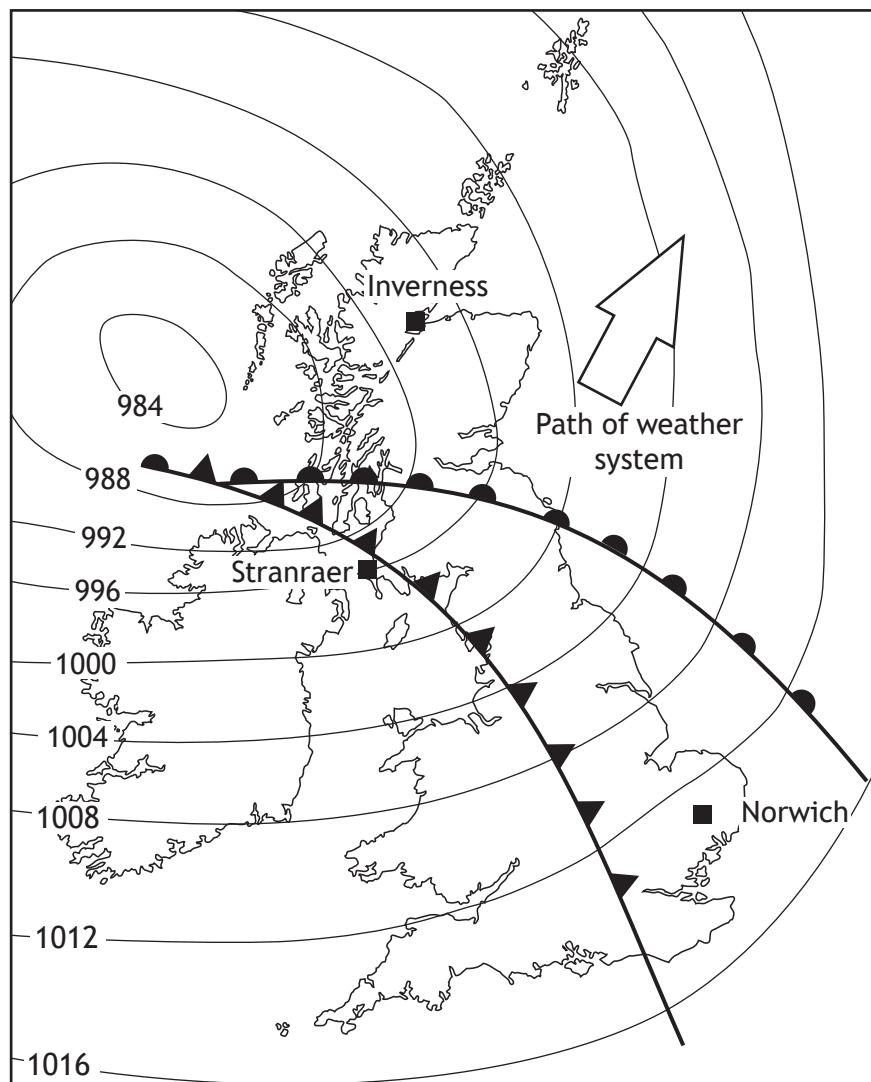
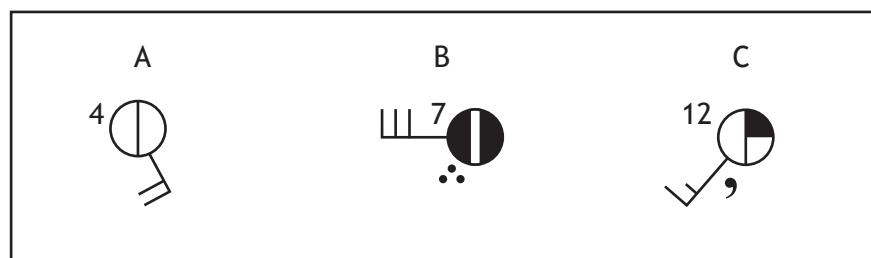


Diagram Q5B Weather Station Circles



Study Diagram Q5A and Diagram Q5B.

- (a) Diagram Q5B shows the weather conditions in 3 locations on the map:

Locations: Norwich Stranraer Inverness

Match the weather station circles, A, B and C with the correct location.

3

- (b) Using the synoptic chart, give reasons for the changes which will take place in the weather in Inverness over the next 24 hours.

5

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SECTION 2 — HUMAN ENVIRONMENTS — 30 marks**Attempt ALL questions****Question 6**

Study the Ordnance Survey map extract (Item B) of the Croydon 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 train station (4068) to the National Trust (3661)
B	From the school (3469) to the museum (3265)
C	From the camping and caravan site (3471) to the golf course (3461)

Choose from the following distances: 5 km 9.75 km 8 km 6.25 km 3

Question 7

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

Match the grid references with the correct urban land use zone.

Grid references: 3962 3265 3873 4166 3863

Choose from the urban land use zones below:

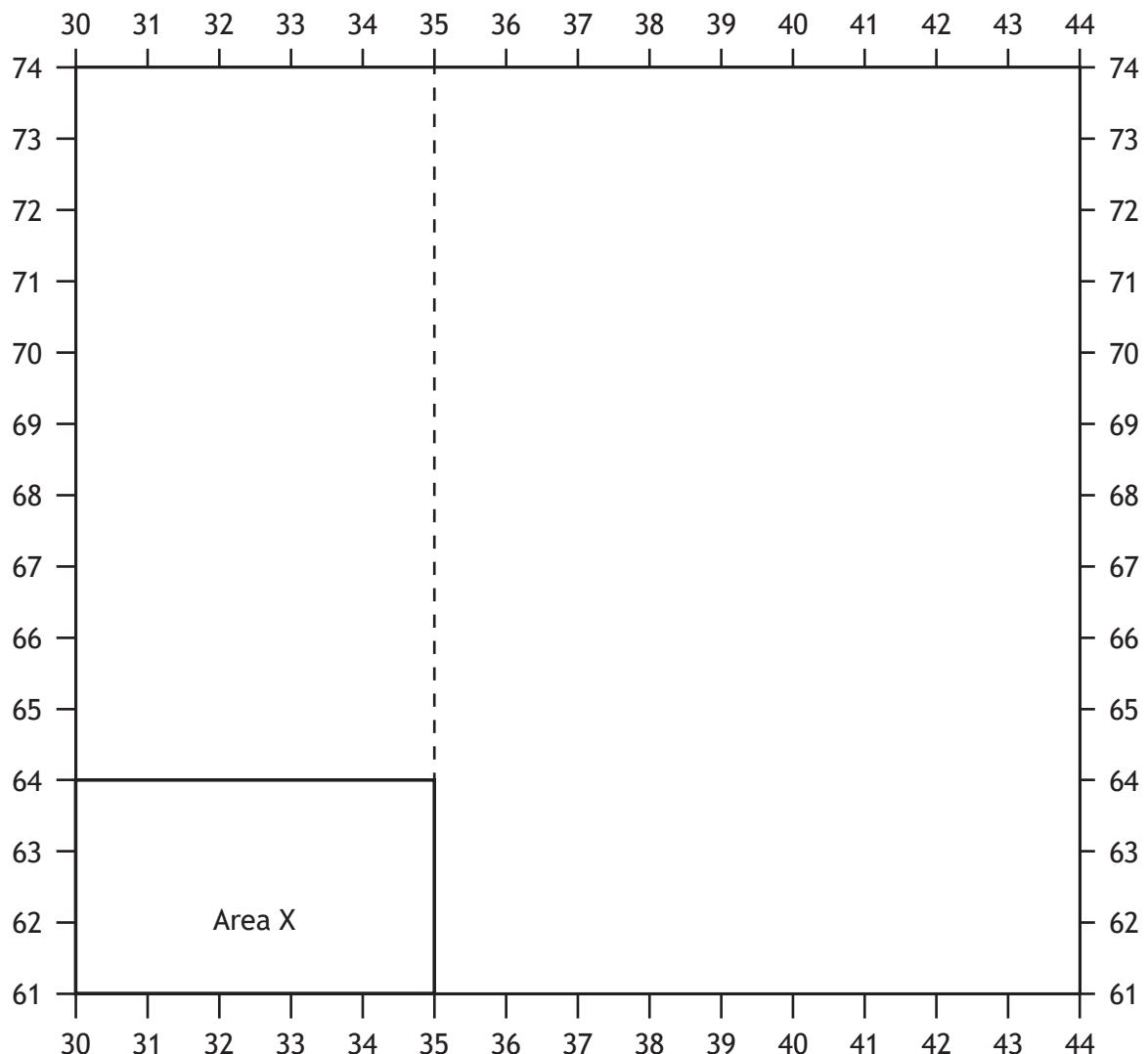
- CBD
- New housing
- Old housing
- New industry.

4

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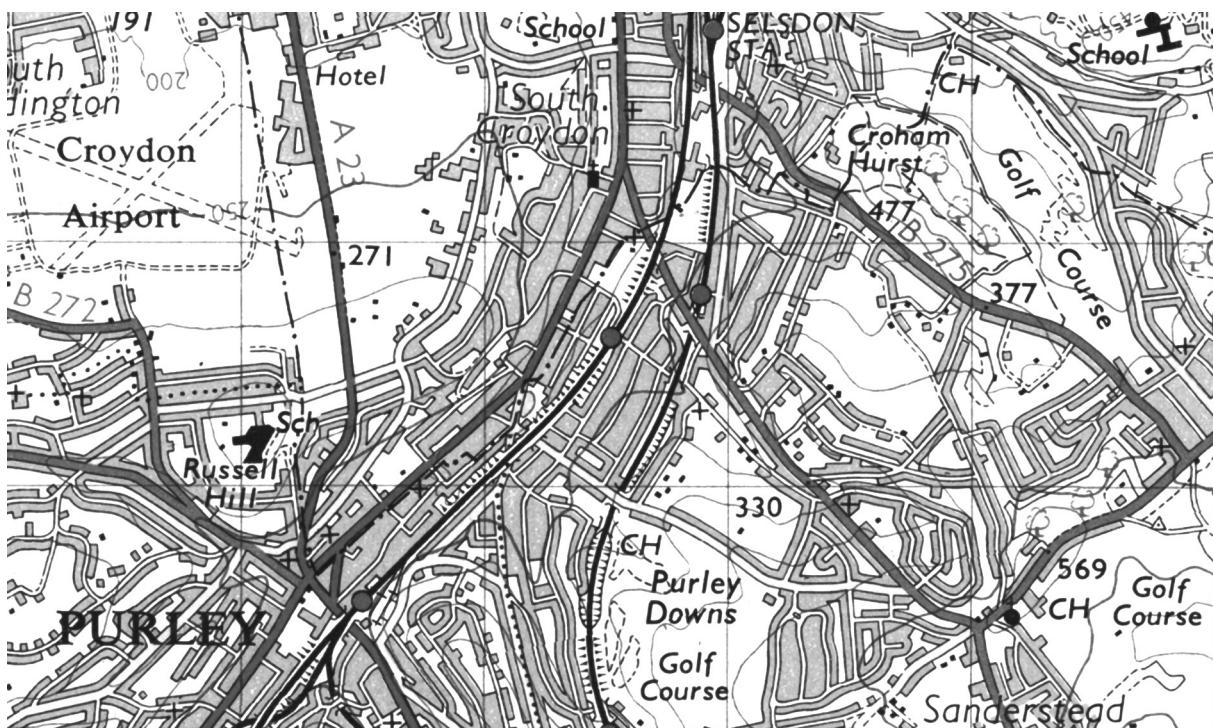
Question 8

Diagram Q8A Sketch showing location of area X on present day map



Question 8 (continued)

Diagram Q8B Area X in 1994



Study the Ordnance Survey map extract (Item B) of the Croydon area and Diagrams Q8A and Q8B.

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

4

[Turn over

Question 9**Diagram Q9 Edinburgh's CBD**

Look at Diagram Q9.

Referring to a developed world city you have studied, **give reasons** for recent changes which have taken place in the CBD.

5

Question 10**Diagram Q10 Informal housing settlement**

Look at Diagram Q10.

Referring to a named area you have studied, **describe** the ways in which informal housing settlements are being improved.

5

[Turn over

Question 11**Diagram Q11 Selected development indicators**

Economic indicators	Social indicators
% population employed in agriculture	Infant mortality rate
Gross Domestic Product	Life expectancy at birth
Average income per person per year	% people who can read and write

Study Diagram Q11.

Choose one economic **and** one social indicator from the table above.

Explain the ways in which your chosen indicators show the level of development in a country.

4

Question 12**Diagram Q12 Recent developments in farming**

Developments such as new technology, genetically modified crops, organic farming and diversification are changing farming in developed countries...

Look at Diagram Q12.

Explain the advantages **and** disadvantages of recent developments in farming in developed countries such as the UK.

5

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SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

Question 13 — Climate change	<i>page 17</i>
Question 14 — Natural regions	<i>page 18</i>
Question 15 — Environmental hazards	<i>page 19</i>
Question 16 — Trade and globalisation	<i>page 20</i>
Question 17 — Tourism	<i>page 21</i>
Question 18 — Health	<i>page 22</i>

Question 13 — Climate Change**Diagram Q13A CO₂ emissions from fossil fuels****Key**CO₂ emissions (tonnes per capita) 0 - 0.9 1 - 1.9 2 - 4.9 5 - 9.9 10+

- (a) Study Diagram Q13A.

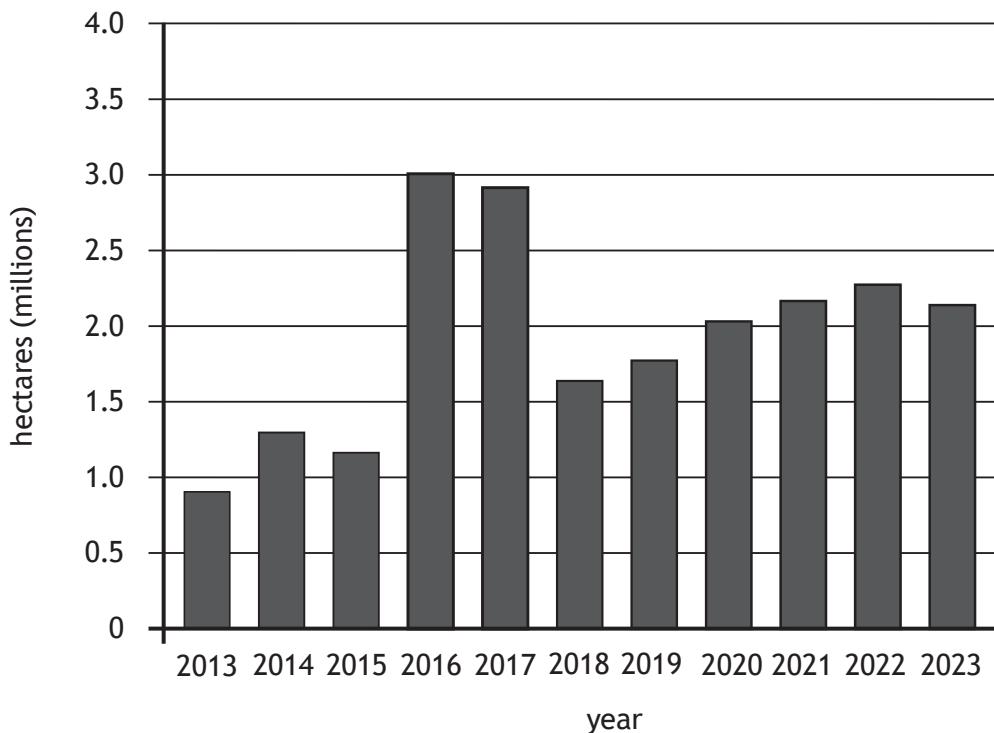
Describe, in detail, the global distribution of CO₂ emissions from fossil fuels.

4**Diagram Q13B Climate change**

- (b) Look at Diagram Q13B.

Explain the effects of climate change.

6

Diagram Q14A Deforestation in the Amazon

(a) Study Diagram Q14A.

Describe, in detail, the changes in deforestation in the Amazon.

4

Diagram Q14B Rainforest in Bolivia

(b) Look at Diagram Q14B.

Explain the management strategies that can be used to minimise the impact of human activity in rainforest areas.**You should refer to a named area(s) you have studied in your answer.**

6

Question 15 — Environmental hazards

Diagram Q15A Number of earthquakes of magnitude 5.0 to 7.9 (2011-2021)

Magnitude of earthquake	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
5.0 to 5.9	2276	1401	1453	1574	1419	1550	1455	1674	1492	1312	2047
6.0 to 6.9	185	108	123	143	127	130	104	117	135	112	140
7.0 to 7.9	19	12	17	11	18	16	6	16	9	9	16

- (a) Study Diagram Q15A.

Describe, in detail, the changes in the number of earthquakes of magnitude 5.0 to 7.9.

4

Diagram Q15B Earthquake damage

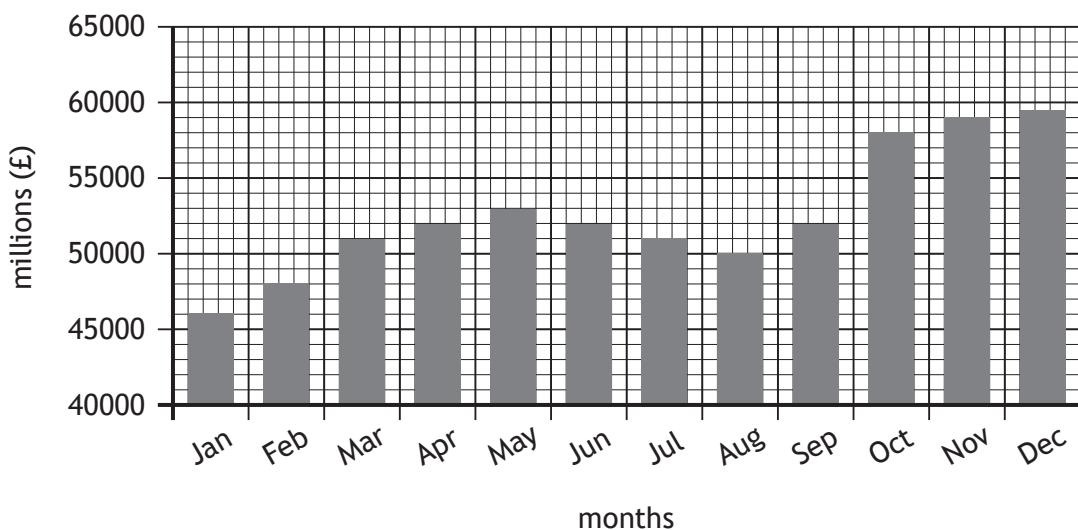


- (b) Look at Diagram Q15B.

With reference to a named earthquake(s) you have studied, **explain** the impacts on the people and the landscape.

6

[Turn over

Question 16 — Trade and globalisation**Diagram Q16A UK Export Income 2021**

- (a) Study Diagram Q16A.

Describe, in detail, the changes in UK export income from January 2021 to December 2021.

4

Diagram Q16B Trade Inequalities

- (b) Look at Diagram Q16B.

Explain the causes of inequalities in trade between countries.

6

Question 17 — Tourism

Diagram Q17A Number of passenger journeys by air 2020



Key

<input type="checkbox"/> less than 1 million	<input type="checkbox"/> 1 million to 49 million	<input type="checkbox"/> 50 million to 499 million	<input type="checkbox"/> 500 million or more	<input type="checkbox"/> no data
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(a) Study Diagram Q17A.

Describe, in detail, the number of passenger journeys by air in 2020.

4

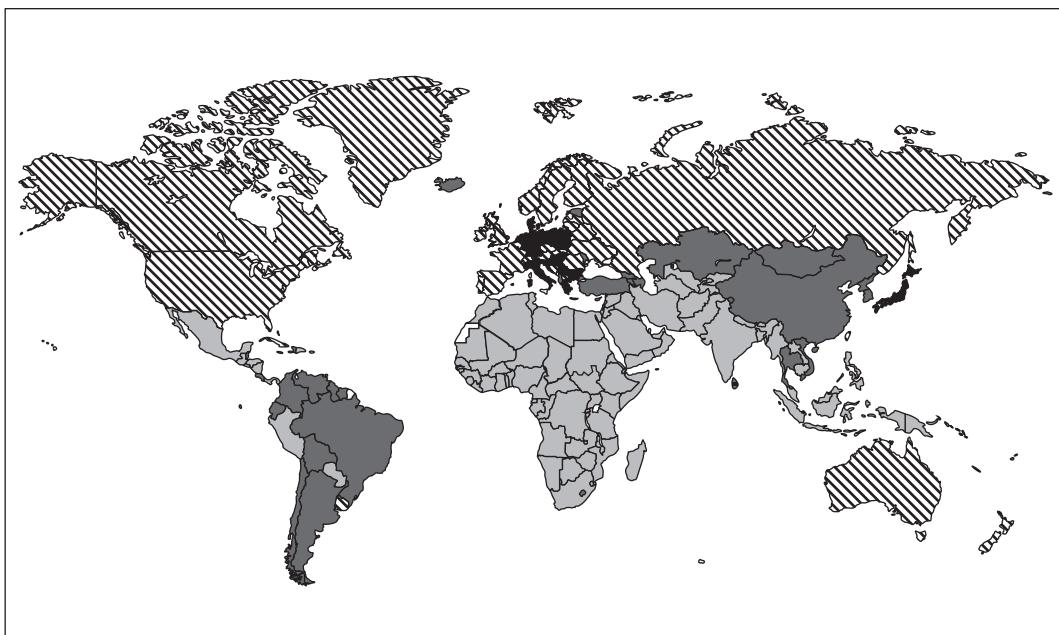
Diagram Q17B Eco-tourists in Kenya



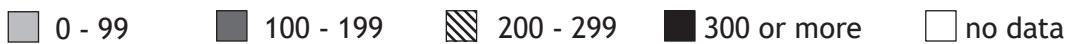
(b) Look at Diagram Q17B.

For a named area(s) that you have studied, explain the impact of eco-tourism on people and the environment.

6

Question 18 — Health**Diagram Q18A Death rates from cancer 2019****Key**

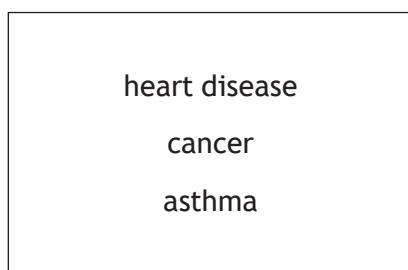
Annual deaths from cancer per 100, 000 people



- (a) Study Diagram Q18A above.

Describe, in detail, the death rates from cancer in 2019.

4

Diagram Q18B Selected diseases in developed world countries

- (b) Look at Diagram Q18B above.

Choose **one** disease from Diagram Q18B above.

For the disease you have chosen, **explain** the effects on people **and** the countries affected.

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