N5

National
Qualifications
2021 ASSESSMENT RESOURCE

X833/75/11   **Geography**

Duration — 2 hours 20 minutes

Total marks — 80

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 — 20 marks

Attempt any **TWO** of the following.

Question 14 — Climate change

Question 15 — Natural regions

Question 16 — Environmental hazards

Question 17 — Trade and globalisation

Question 18 — Tourism

Question 19 — 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.

SQA ©

SECTION 1 — PHYSICAL ENVIRONMENTS — 30 marks
Attempt EITHER Question 1 OR Question 2
THEN attempt Questions 3 to 7

Question 1 — Coastal landscapes/glaciated uplands

(a) Study the Ordnance Survey map extract (Item A) of the Lyme Regis area.

  Describe the **physical** features of the coastal landscape shown on the map.

  Your answer should include the use of grid references. **4**

(b) **Glaciated upland landscapes** have various features of erosion.

  Explain the formation of a **pyramidal peak**.

  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 the Ordnance Survey map extract (Item A) of the Lyme Regis area.

        Using grid references **describe** the **physical** features of the River Axe **and** its valley between 305999 and 253900.

        Your answer should include the use of grid references.   **4**

   (b)   Upland **limestone landscapes** have various features of erosion.

        Explain the formation of a **swallow hole.**

        You may use a diagram(s) in your answer.   **4**

Now attempt Questions 3 to 7

Question 3

Diagram Q3A Cross-section from GR 290960 to GR 360960
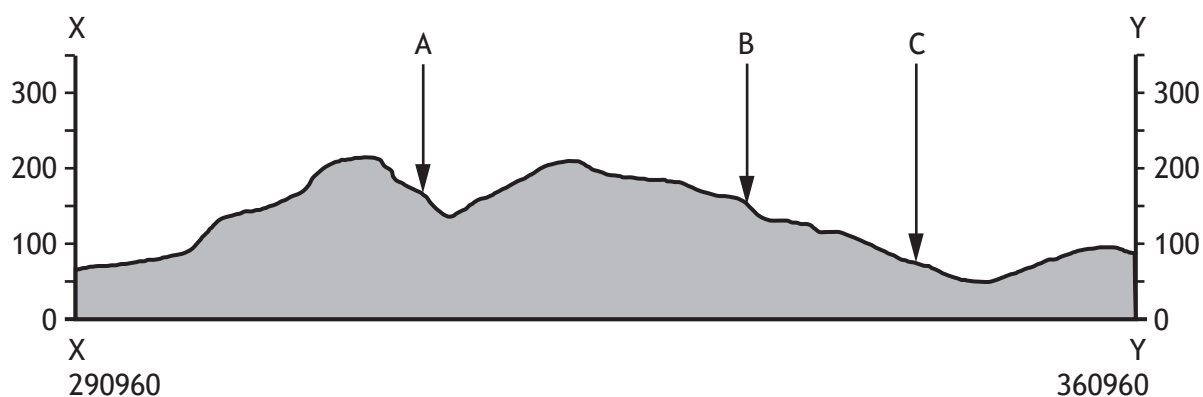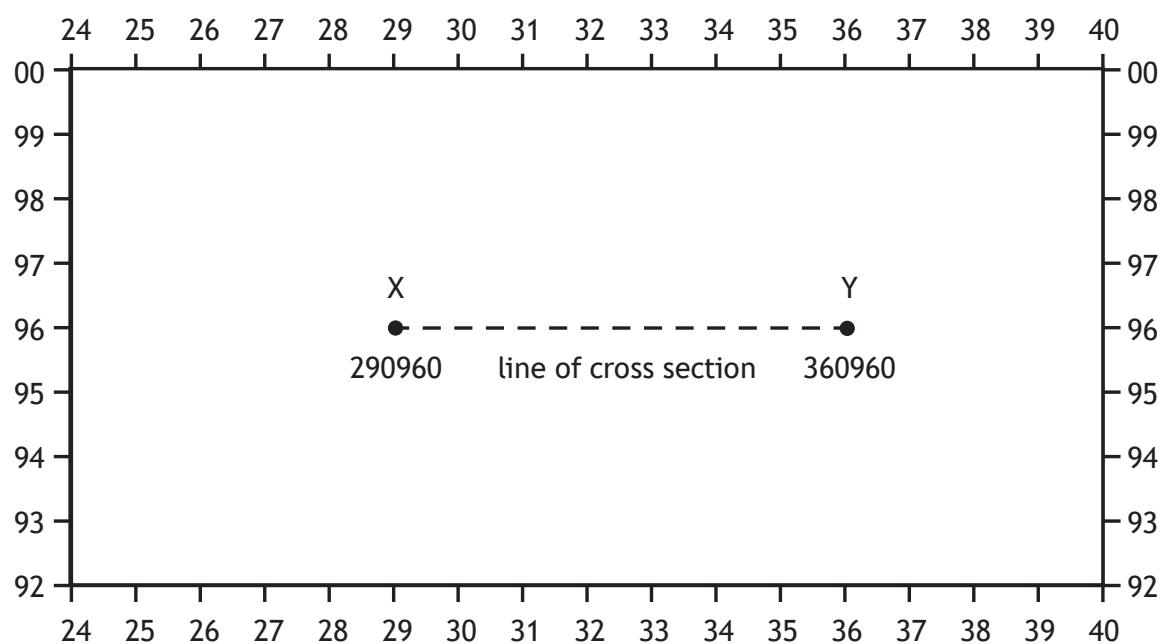

Diagram Q3B Location of cross-section

Study Diagrams Q3A, Q3B and the Ordnance Survey map extract (Item A) of the Lyme Regis area.

Match the letters A, B and C with the correct features. Choose from the features below.

3

footpath	village	forestry	A35 road

Question 4

Diagram Q4 Quote from a local landowner

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

Study Diagram Q4 and the Ordnance Survey map extract (Item A) of the Lyme Regis area.

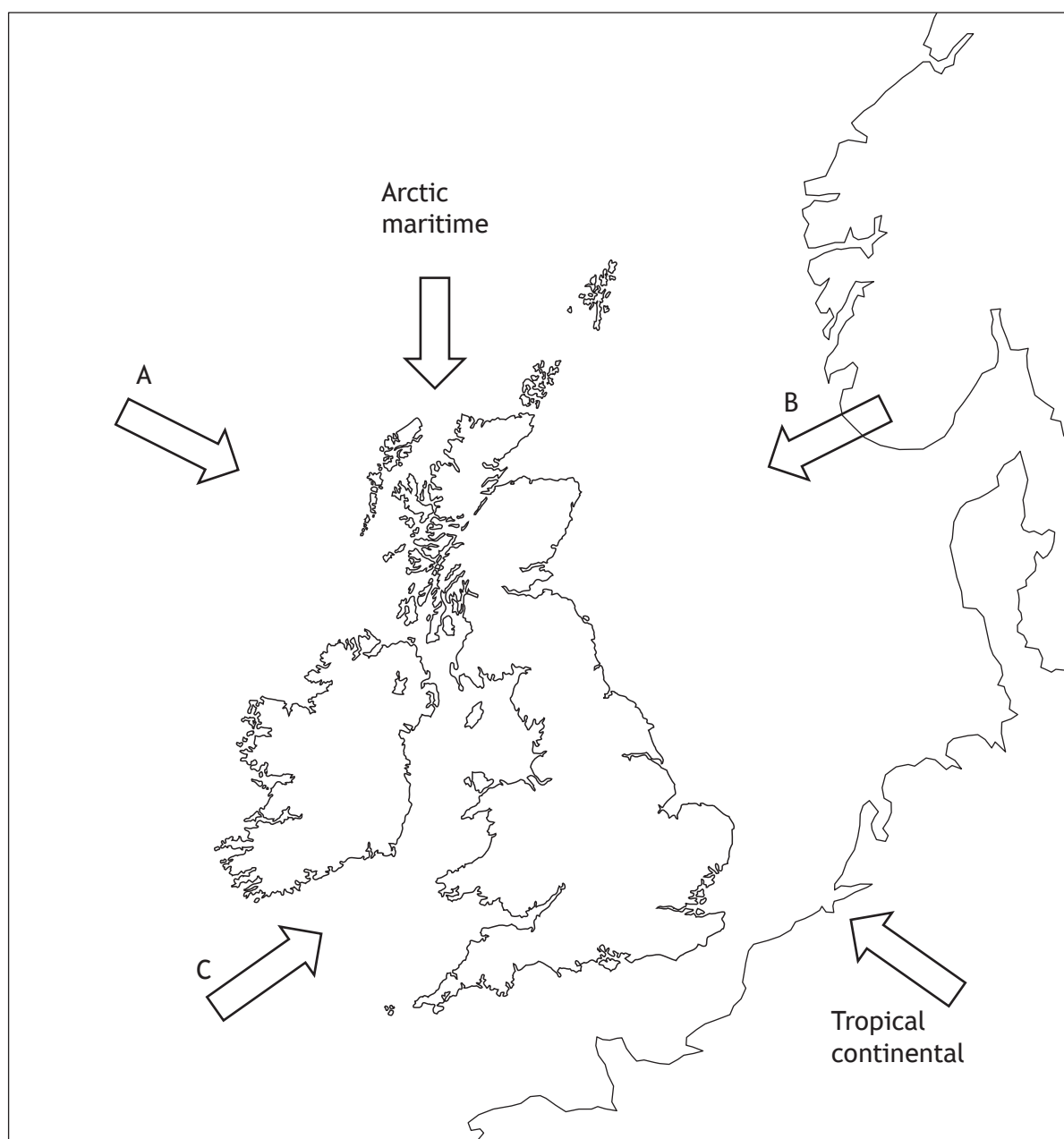**Give reasons** for land use **conflicts** that may occur in the area shown on the map.

You **must** use map evidence in your answer.

5

[Turn over

Question 5

Diagram Q5 Air masses affecting weather conditions in the UK

Study Diagram Q5.

Name air masses A, B and C shown on Diagram Q5. 3
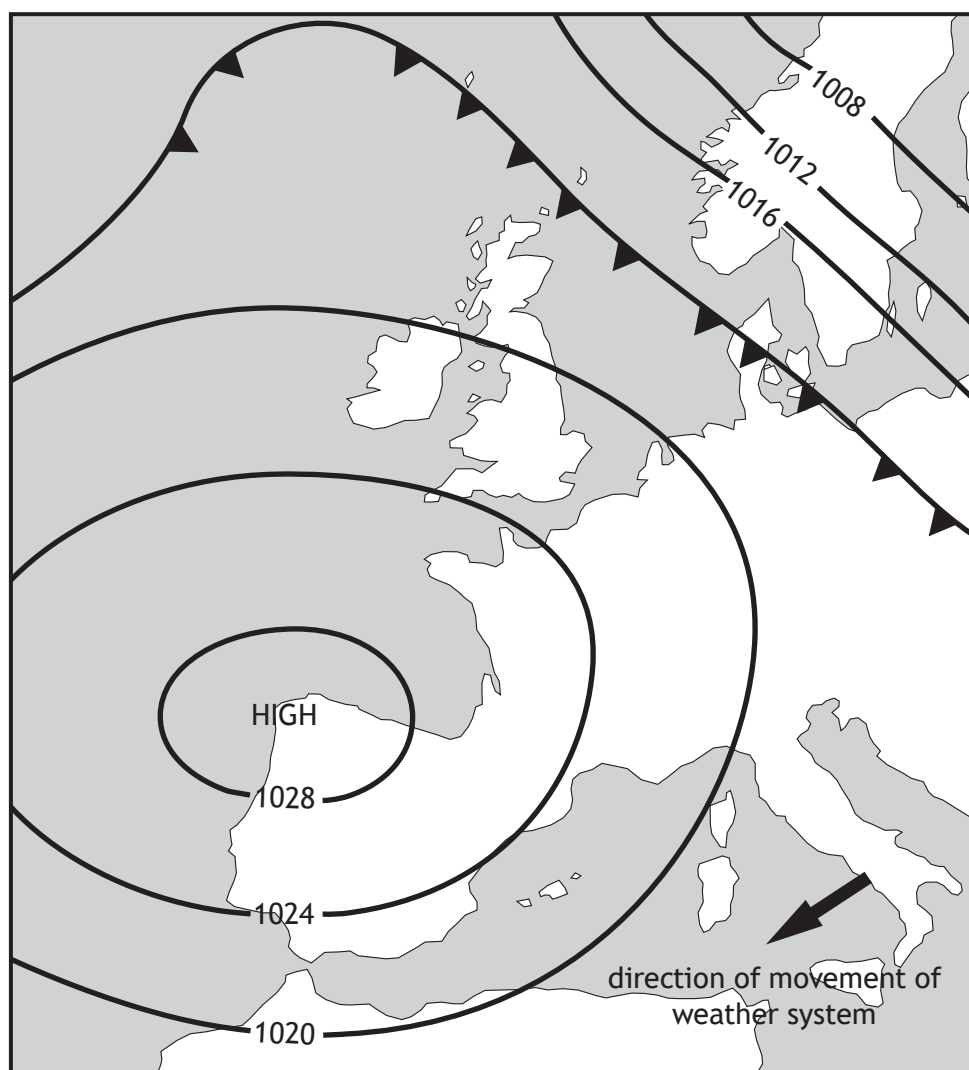
Question 6

Diagram Q6A Synoptic chart for 6 am, on 21st December, 2018

Diagram Q6B Met Office weather warning

'People travelling should be aware of freezing temperatures and icy roads during the morning rush. In eastern Scotland drivers are warned that heavy snow is forecast for this evening, with potential blizzards causing hazardous driving conditions. Road bridges may be closed to high-sided vehicles.'

Study Diagrams Q6A and Q6B.

The Met Office has released a weather warning based on the synoptic chart above.

Give reasons for the weather warning issued by the Met Office.

6

Question 7

Anticyclones bring different weather conditions to the UK throughout the year.

Describe the problems brought by an anticyclone in summer. **5**

SECTION 2 — HUMAN ENVIRONMENTS — 30 marks

Attempt ALL questions

Question 8

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

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

Urban land use zones

- CBD
- new housing
- old housing.

Choose from grid references **5950, 6058, 6254, 6051**.   **3**

Question 9

Study the Ordnance Survey map extract (Item B) of the York 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 school (5650) to the roundabout on the A59 road (5653)
B	From the nature reserve symbol (5954) to the college (6252)
C	From the bus station (5951) to the golf course symbol (6455)

Choose from the following distances

4·5 km   **3·25 km**   **2·5 km**   **6 km.**   **3**

**[Turn over**

Question 10

Diagram Q10

built up area
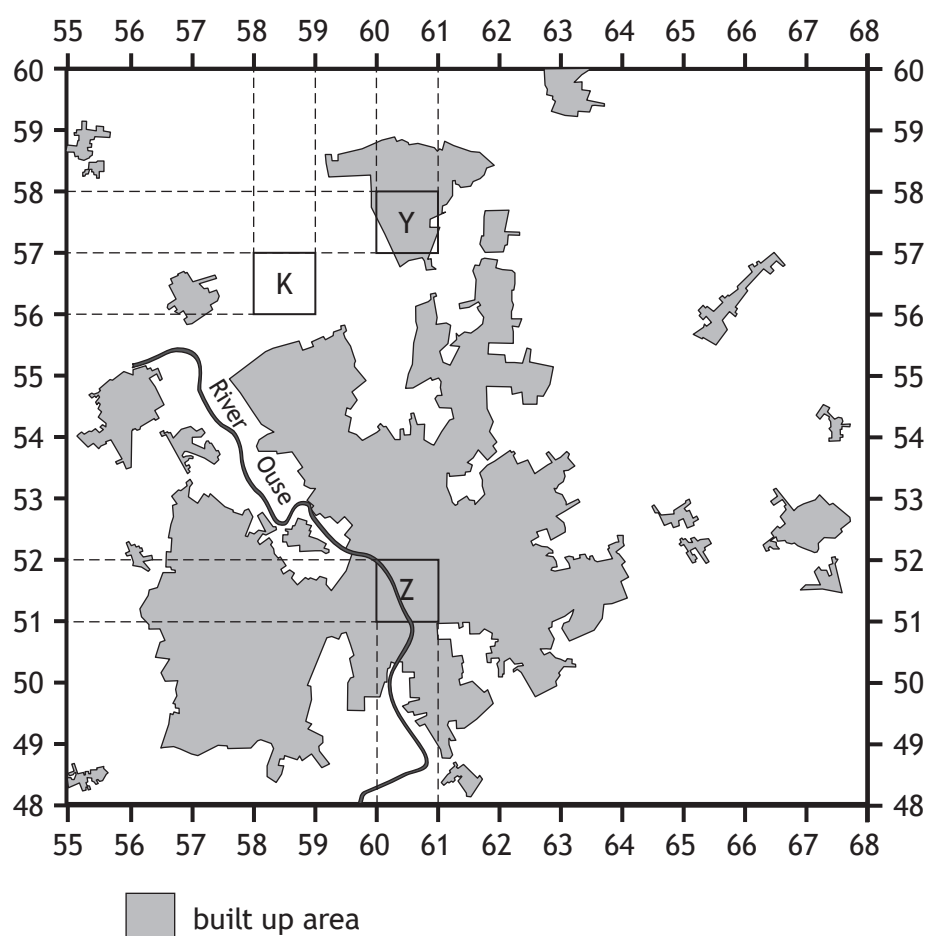
Study Diagram Q10 and the Ordnance Survey map extract (Item B) of the York area.

(a) Developers would like to build an out of town shopping centre near York in Area K (5856).

Using map evidence, **explain** the **advantages** and the **disadvantages** of this site. **5**

(b) Using map evidence **describe**, in detail, the **differences** in the urban environments of Area Y (6057) and Area Z (6051). You must refer to **both** areas in your answer. **5**

Question 11

Diagram Q11 Population pyramids for Ethiopia and Germany (2018)

Ethiopia — 2018

Germany — 2018
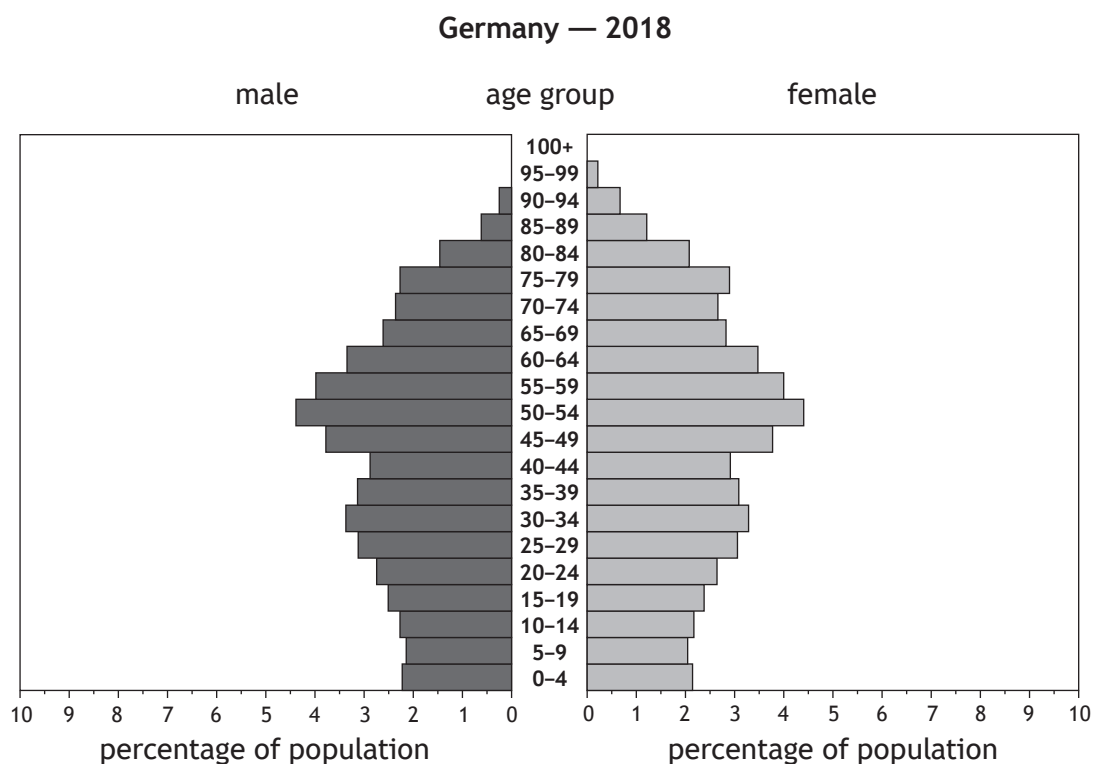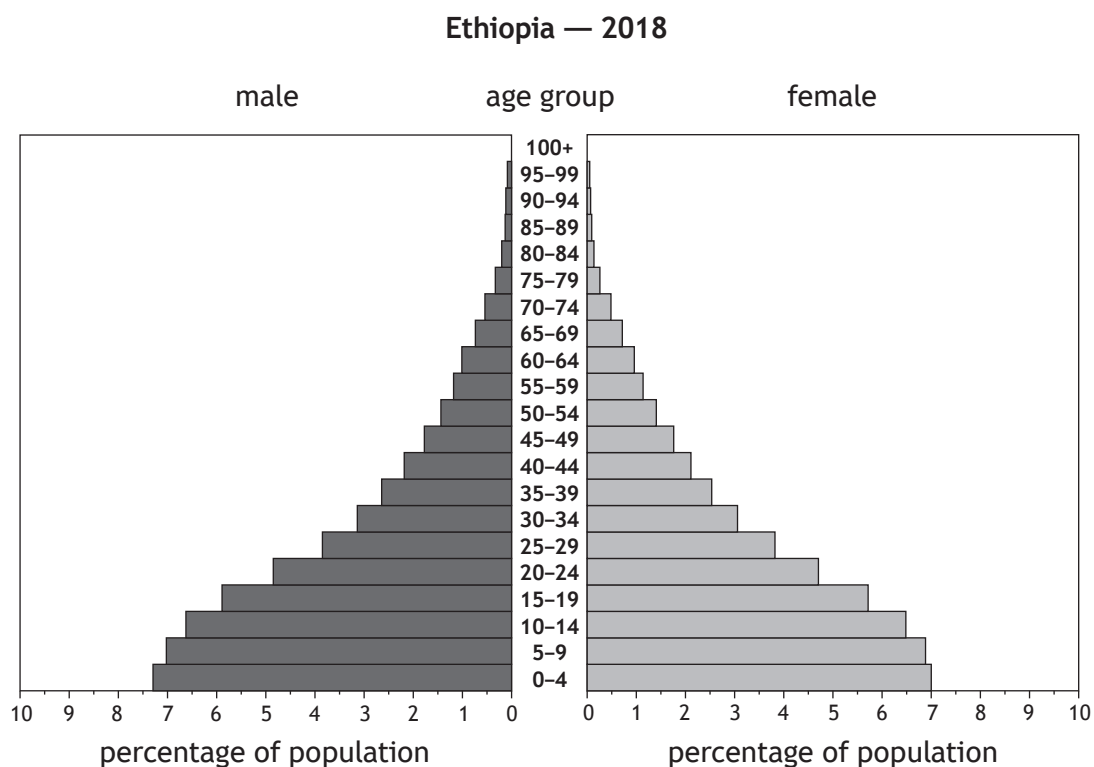
Study Diagram Q11.

Give reasons for the **differences** between the population structures of Ethiopia and Germany.

6

Question 12

Diagram Q12 Selected development indicators

Economic indicators	Social indicators
% population employed in agriculture	people per doctor
Gross Domestic Product (GDP)	life expectancy at birth

Study Diagram Q12.

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 13

Diagram Q13 Factors affecting farmers in developing countries
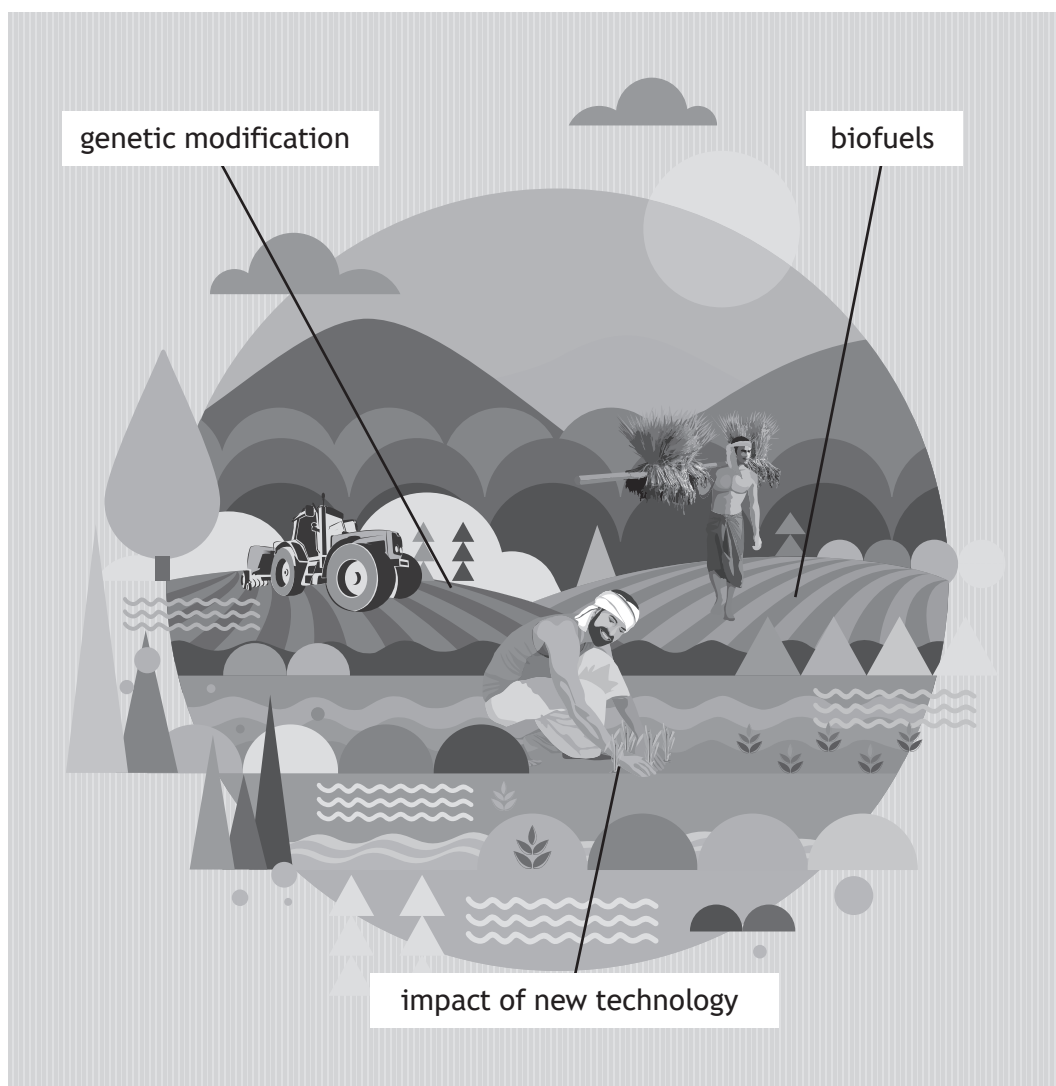
Look at Diagram Q13.

Choose **two** factors from the diagram.

Describe, **in detail**, how your two chosen factors affect farmers in **developing** countries.   **4**

SECTION 3 — GLOBAL ISSUES — 20 marks

Attempt any TWO questions

Question 14 — Climate change

Diagram Q14A Areas most affected by global climate change

Key

■ extreme risk   ■ high risk   ▨ moderate risk

▨ low risk   ☐ no data
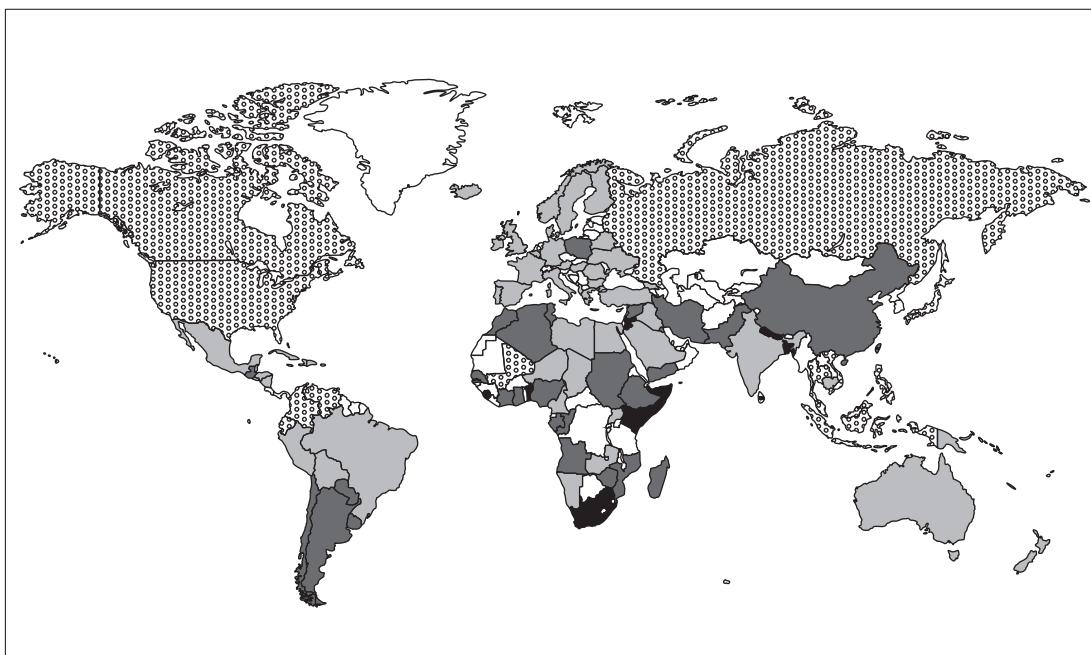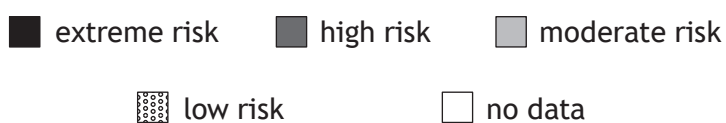
(a) Study Diagram Q14A.

   Describe, **in detail**, the areas at risk of global climate change.   4

Diagram Q14B Quote from a climate scientist

> 'The effects of global climate change that scientists predicted, are now happening.'

(b) Look at Diagram Q14B.

   Coastal flooding due to rising sea level is one effect of climate change.

   Explain other effects of global climate change.   6

[Turn over

Question 15 — Natural regions

Diagram Q15A Climate graph for Isachsen, Canada (tundra)
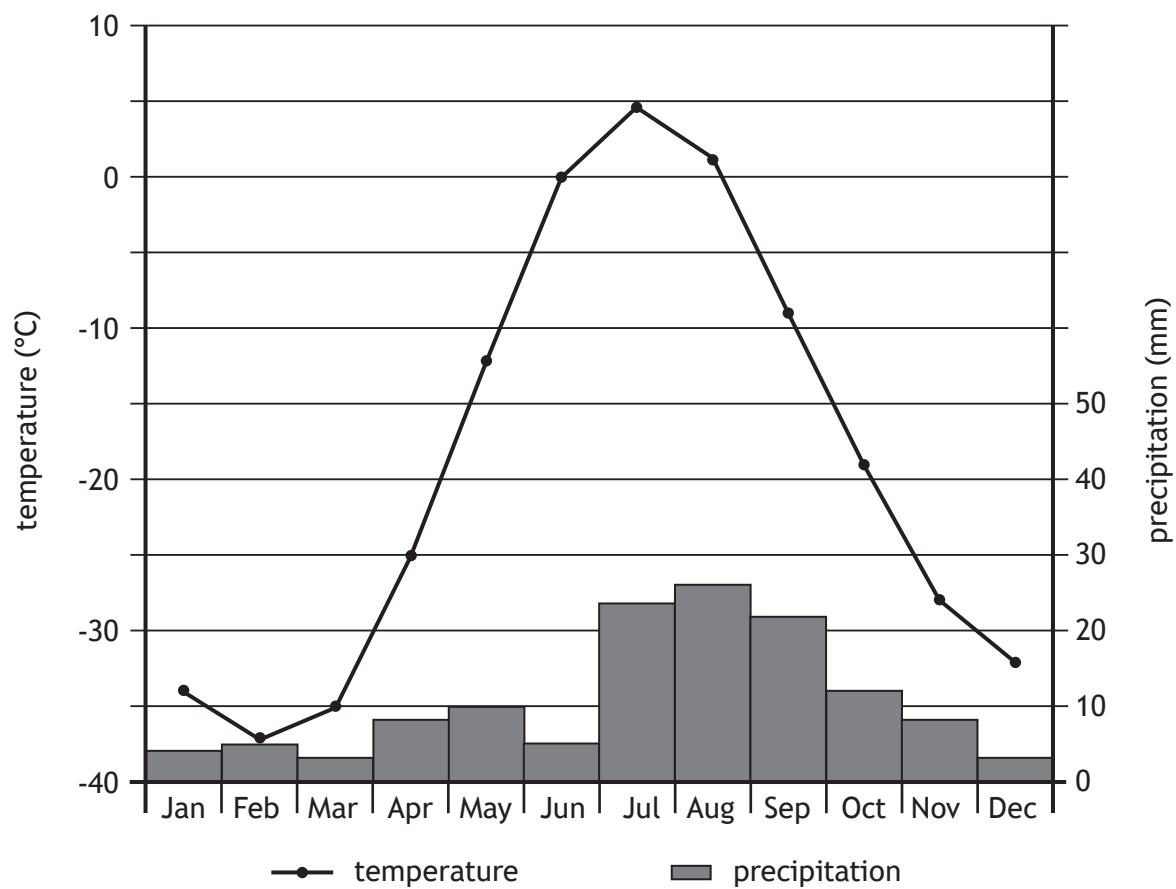
(a) Study Diagram Q15A.

Describe, **in detail**, the climate of Isachsen, Canada.   **4**

Question 15 — Natural regions (continued)

Diagram Q15B Oil pipeline

(b) Look at Diagram Q15B.

Explain the management strategies that can be used to minimise the impact of human activity in the tundra.
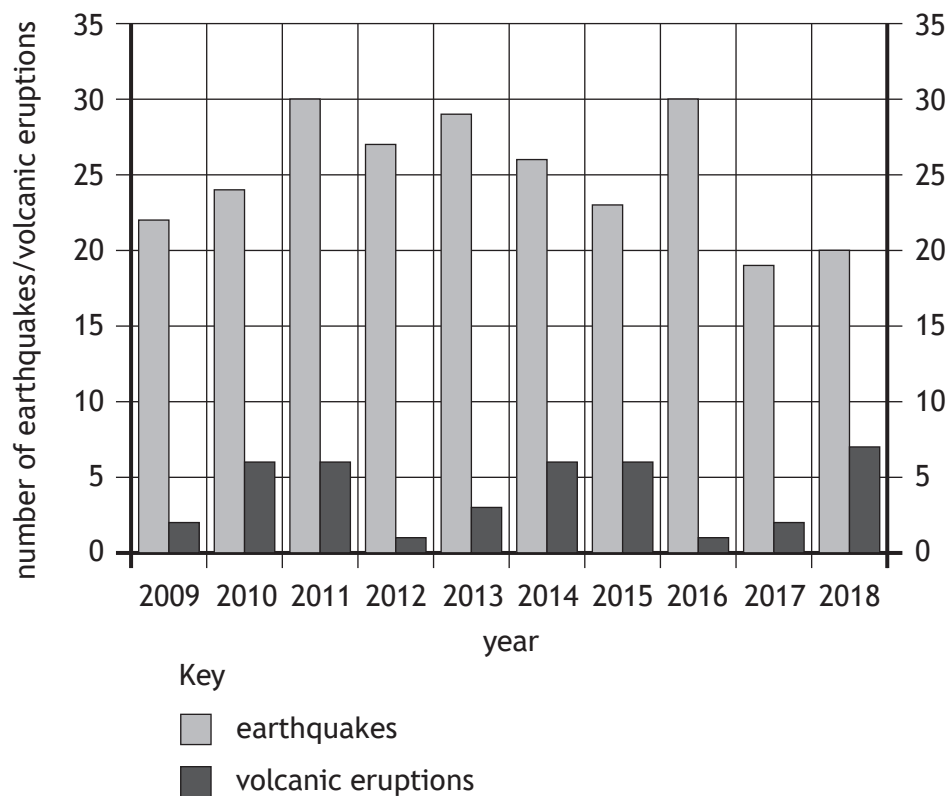
You should refer to area(s) you have studied in your answer. **6**

[Turn over

Question 16 — Environmental hazards

Diagram Q16A Worldwide earthquakes and volcanic eruptions reported as natural disasters 2009–2018

Key

■ earthquakes

■ volcanic eruptions

(a) Study Diagram Q16A.

   Describe, **in detail**, the changes in the number of earthquakes and volcanic eruptions reported as natural disasters from 2009 to 2018. **4**

Question 16 — Environmental hazards (continued)

Diagram Q16B Track of Hurricane Michael, October 2018
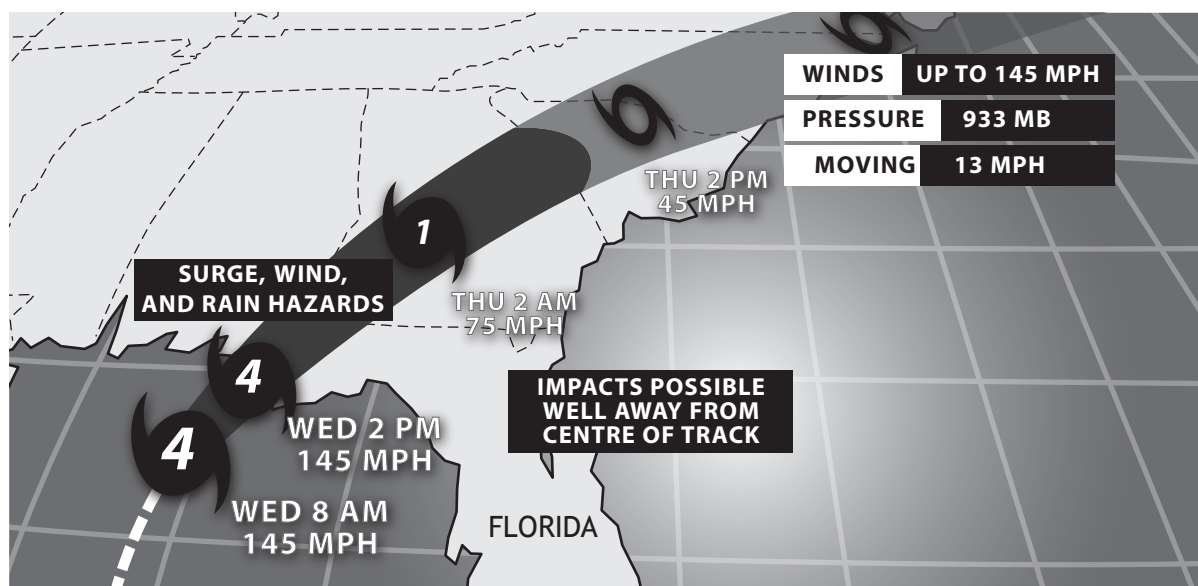
(b) Look at Diagram Q16B.

Explain the strategies used to prepare for and reduce the effects of a tropical storm.

You should refer to a tropical storm you have studied in your answer.

6

[Turn over

Question 17 — Trade and globalisation

Diagram 17A Main exports by country

Key

☐ no data   ⊡ metal, minerals and organic   ☐ textiles   ▨ fuel

▨ transportation   ■ electronics

(a) Study Diagram Q17A.

Describe, **in detail**, the distribution of main exports by country.   **4**

Question 17 — Trade and globalisation (continued)

Diagram Q17B Strategies to protect developing world economies

(b) Look at Diagram Q17B.

Explain how strategies such as those shown above can affect people and the environment in the developing world.

6

[Turn over

Question 18 — Tourism

Diagram Q18A International tourist arrivals 2016

Key — arrivals (millions)

☐ no data   ▦ 0–11   ▨ 12–20   ▨ 21–36   ■ >36

(a) Study Diagram Q18A.

    Describe, **in detail**, the number of international tourist arrivals in 2016.   **4**

Question 18 — Tourism (continued)

Diagram Q18B Mass tourism on Bondi Beach, Sydney

(b) Look at Diagram Q18B.

Describe different ways in which the effects of mass tourism can be managed.

Your answer should refer to a named example(s).   **6**

[Turn over for next question

Question 19 — Health

Diagram Q19A Worldwide tuberculosis infections (2018)

Key — cases per 100,000 population
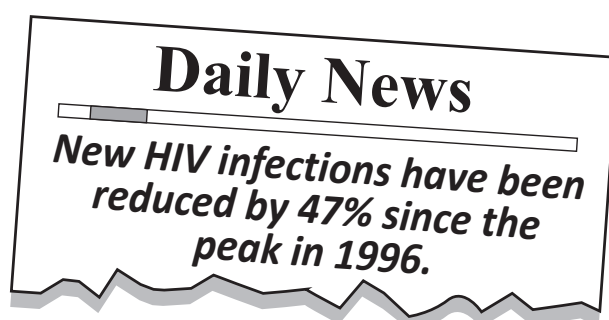
| | 0–24 | | 25–99 | | 100–199 | | 200–299 | | ≥300 |

(a) Study Diagram Q19A.

   Describe, **in detail**, the distribution of worldwide tuberculosis Infections in 2018.   **4**

Diagram Q19B Newspaper headline

Daily News

New HIV infections have been reduced by 47% since the peak in 1996.

(b) Look at Diagram Q19B.

   Explain the causes of HIV/AIDS.   **6**

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