



National
Qualifications
2024

X833/76/11

**Geography
Physical and Human
Environments**

TUESDAY, 23 APRIL

9:00 AM – 10:50 AM

Total marks — 100

SECTION 1 — PHYSICAL ENVIRONMENTS — 50 marks

Attempt ALL questions.

SECTION 2 — HUMAN ENVIRONMENTS — 50 marks

Attempt ALL questions.

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.



SECTION 1 — PHYSICAL ENVIRONMENTS — 50 marks

Attempt ALL questions

Question 1

Diagram Q1 Corrie



Look at Diagram Q1.

A corrie is a feature of glacial erosion.

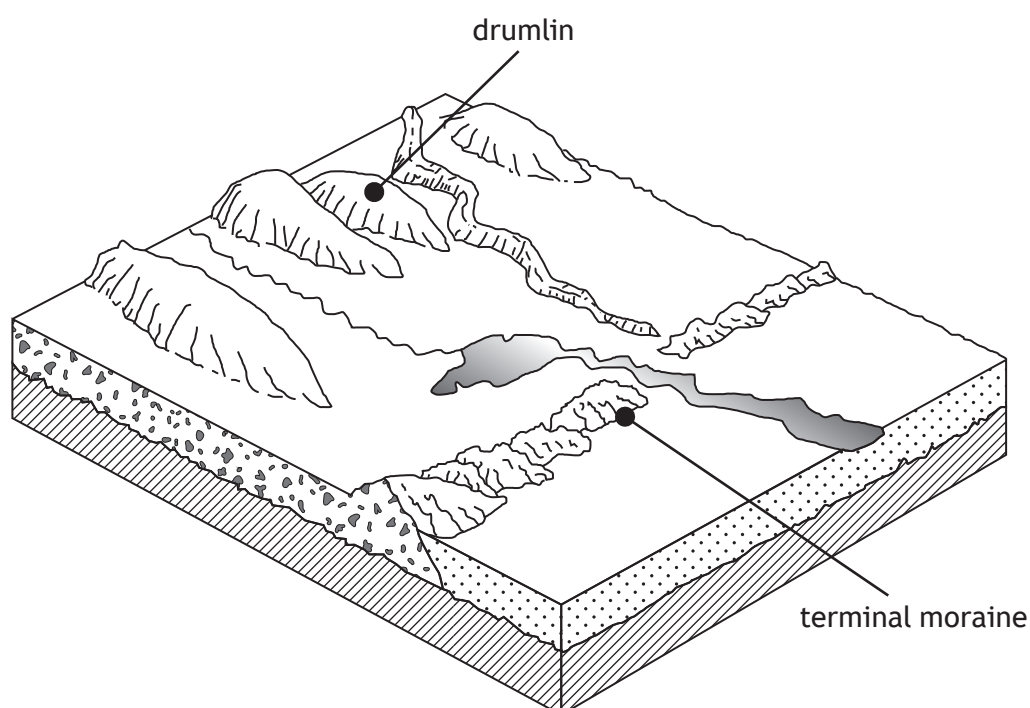
Explain the formation of a corrie.

You may wish to use an annotated diagram or diagrams in your answer.

10

Question 2

Diagram Q2 Landscape of glacial deposition



Look at Diagram Q2.

Drumlins and terminal moraines are features found in landscapes of glacial deposition.

Explain the formation of either a drumlin or a terminal moraine.

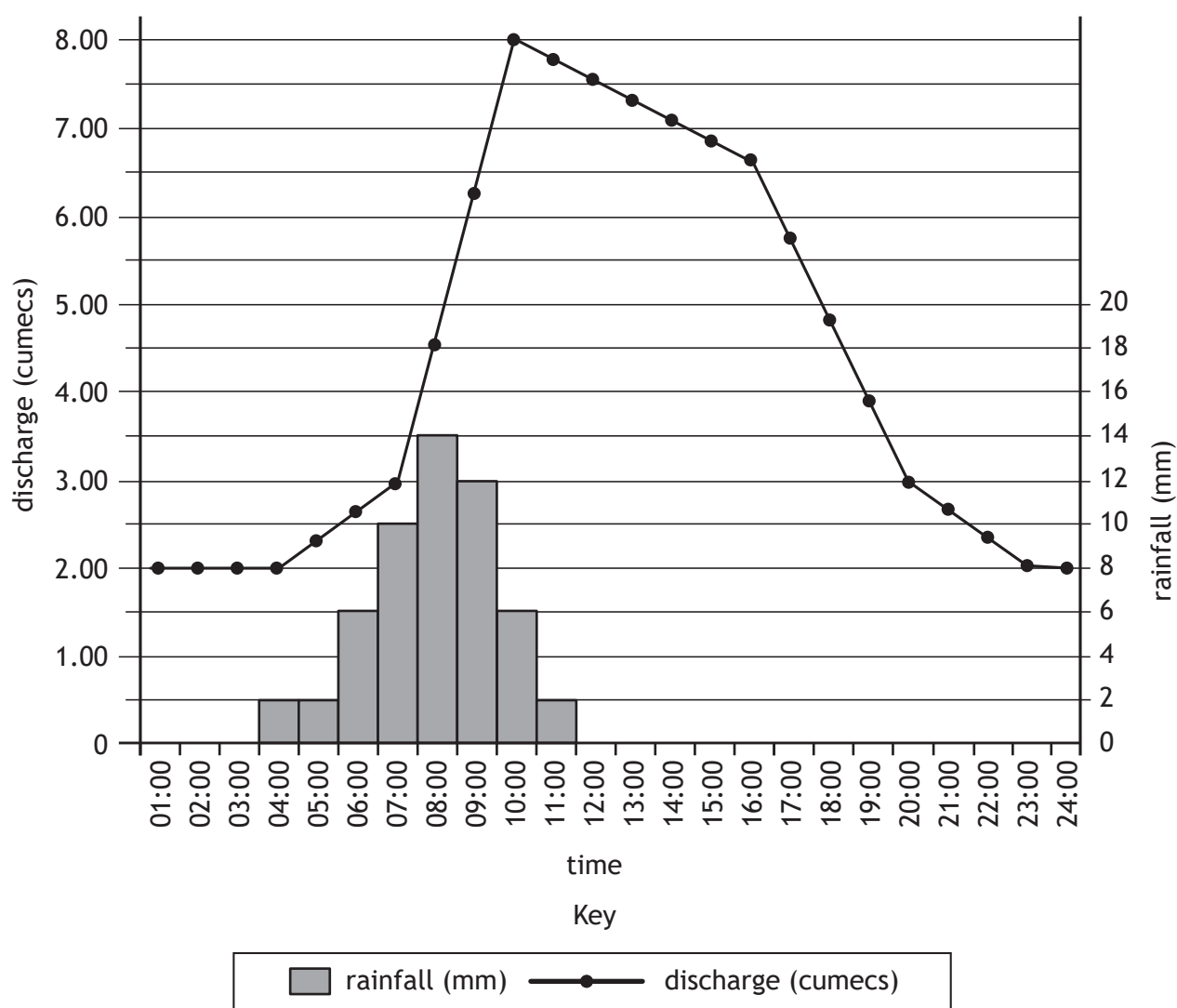
6

You may wish to use an annotated diagram or diagrams in your answer.

[Turn over

Question 3

Diagram Q3 Flood Hydrograph for River Wyre, 11 January 2023.



Study Diagram Q3.

For the River Wyre on 11 January 2023:

- describe** the changes in discharge, and
- suggest reasons** why these changes may have occurred.

10

Question 4

Diagram Q4 A V-shaped valley



Look at Diagram Q4.

V-shaped valleys are typically found in the upper course of a river.

Explain the formation of a V-shaped valley.

8

You may wish to use an annotated diagram or diagrams in your answer.

[Turn over

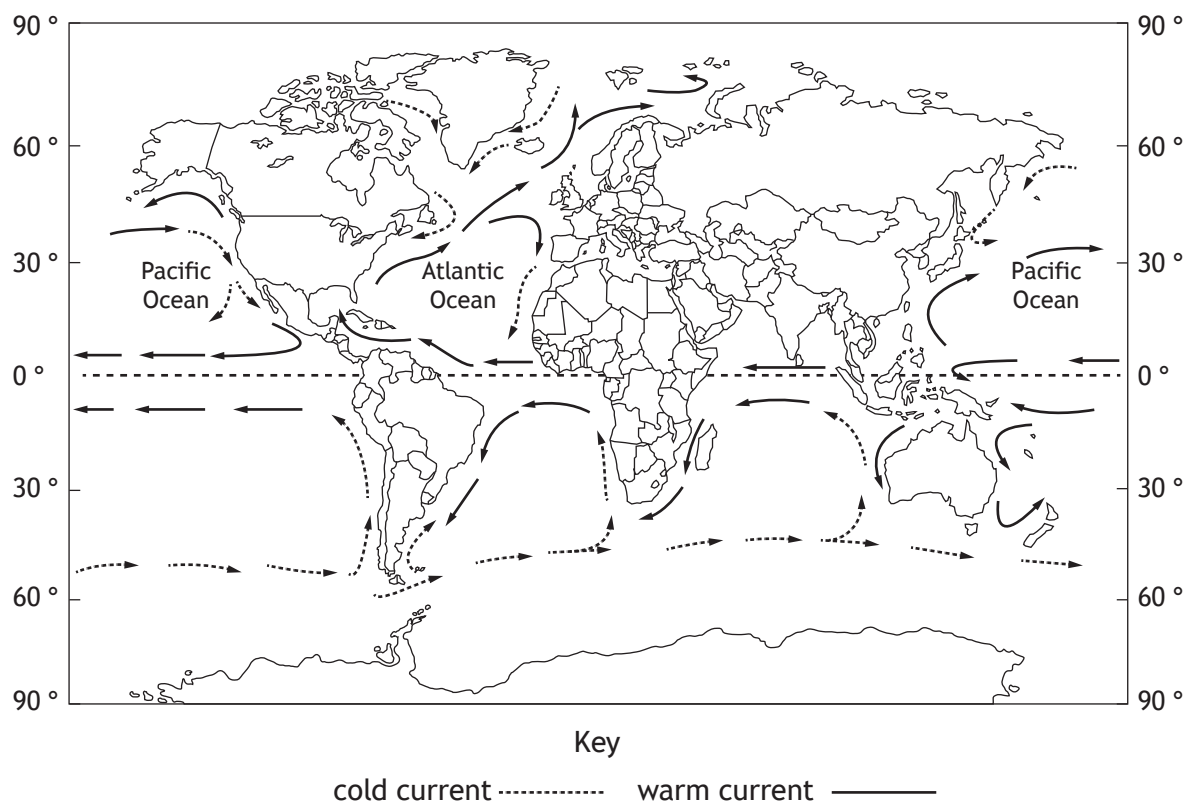
Question 5

Draw a **fully annotated** soil profile of a **brown earth** soil to show its main characteristics (including horizons, colour, texture and drainage), and associated vegetation.

8

Question 6

Diagram Q6 Selected ocean currents



Study Diagram Q6.

- (a) **Describe** the pattern of ocean currents for **either** the Pacific Ocean or the Atlantic Ocean, **and**
- (b) **explain** how ocean currents redistribute energy around the globe.

8

[Turn over

SECTION 2 — HUMAN ENVIRONMENTS — 50 marks

Attempt ALL questions

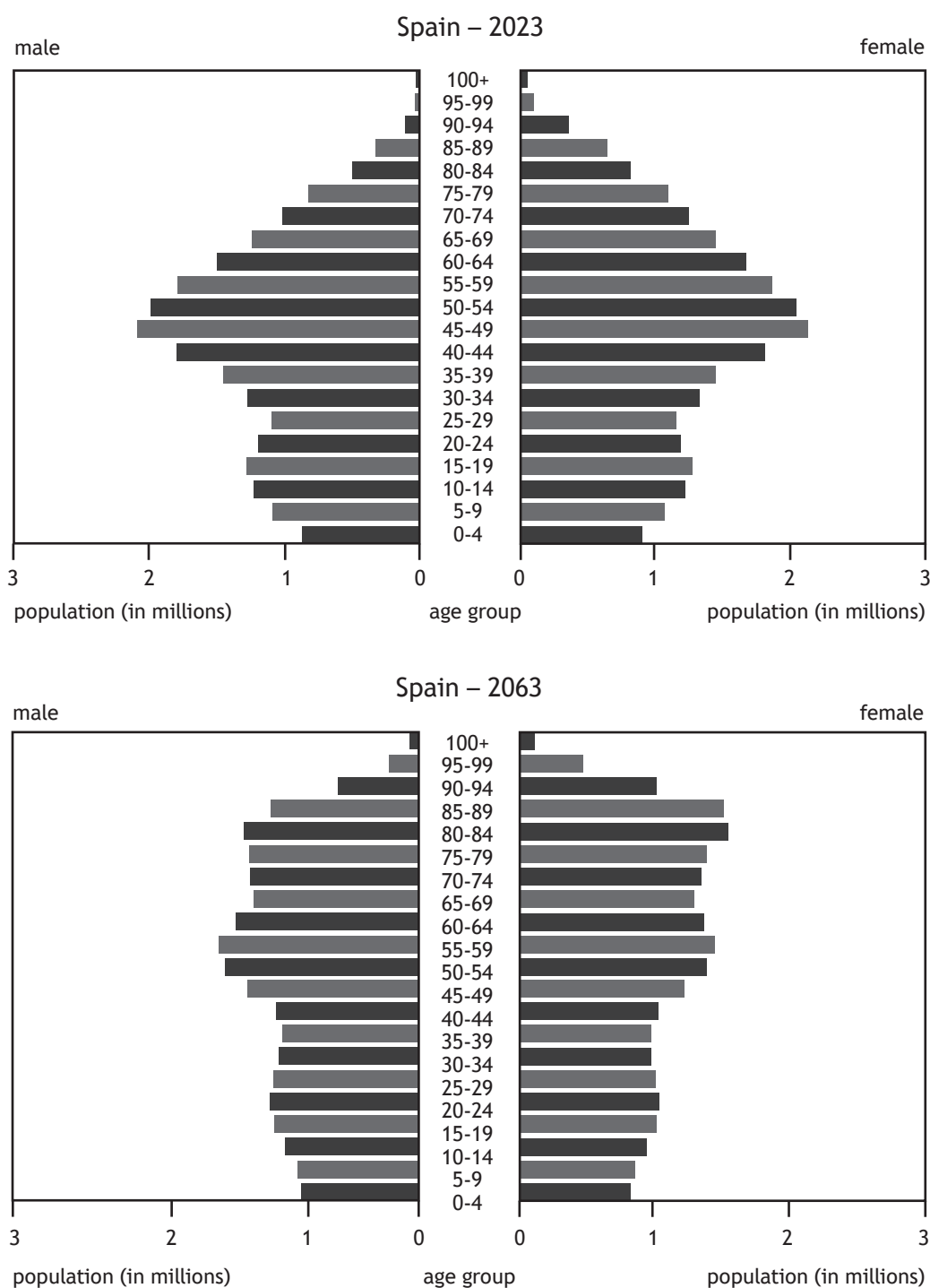
Question 7

Describe different methods used by countries to collect population data.

6

Question 8

Diagram Q8 Population pyramids for Spain 2023 and 2063 (projected)



Study Diagram Q8.

The population structure of Spain is expected to change significantly over the next 40 years.

Discuss the possible consequences of these changes.

8

Question 9

Diagram Q9 Kibera, Nairobi



Look at Diagram Q9.

Describe the socio-economic and environmental problems associated with housing in Kibera or any other shanty town in a developing world city you have studied.

6

Question 10

Diagram Q10 Traffic in London



Look at Diagram Q10.

Referring to a named developed world city you have studied:

- (a) **describe** strategies used to manage transport problems, and
- (b) **comment on** their effectiveness.

10

[Turn over

Question 11

Explain the impacts of rural land degradation on either a semi-arid or rainforest area you have studied.

8

Question 12

Diagram Q12 Isle of Skye, Scotland



Look at Diagram Q12.

Referring to a named coastal **or** glaciated area you have studied:

- (a) **describe** the measures taken to manage the land use conflicts which arise between different land users, **and**
- (b) **comment on** their effectiveness.

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