



National  
Qualifications  
2025

**X833/76/11**

**Geography**  
**Physical and Human**  
**Environments**

TUESDAY, 29 APRIL

9:00 AM – 10:50 AM

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**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 Arête



Look at Diagram Q1.

An arête is a feature of glacial erosion.

**Explain** the formation of an arête.

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

10

## Question 2

## Diagram Q2 Headland and Bay



Look at Diagram Q2.

Headlands and bays are features found in coastal landscapes.

**Explain** the formation of a headland and bay.

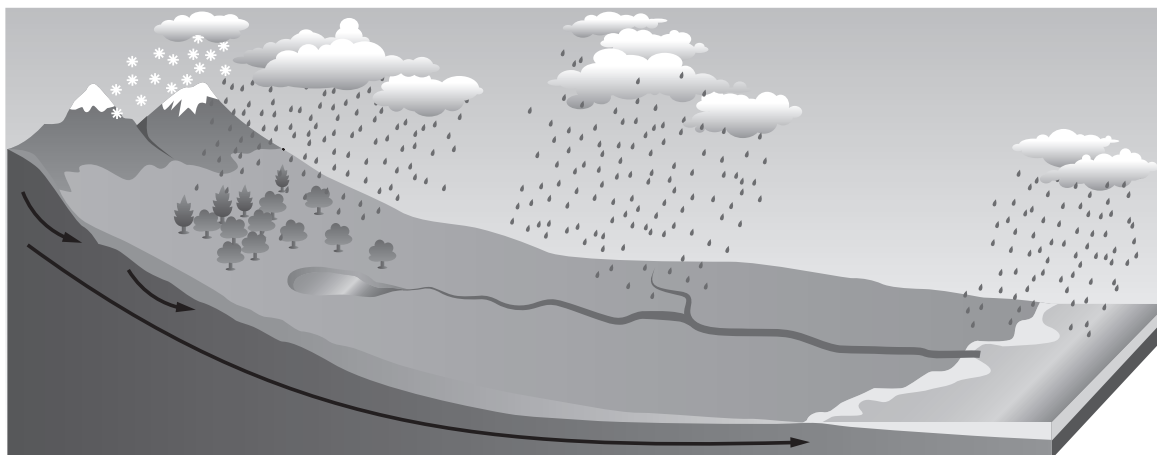
You may wish to use an annotated diagram or diagrams in your answer.

10

[Turn over

## Question 3

Diagram Q3 Drainage Basin



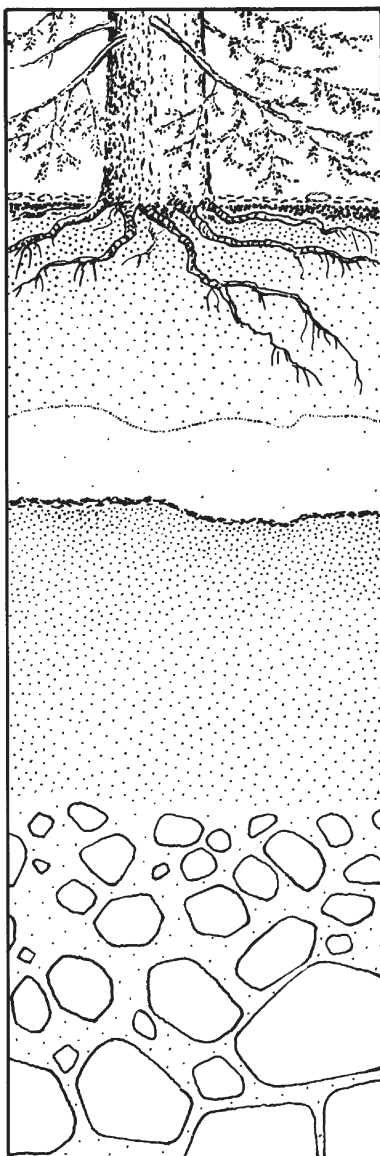
Look at Diagram Q3.

**Describe** the hydrological cycle within a drainage basin.

8

## Question 4

Diagram Q4 Podzol soil profile



Look at Diagram Q4.

**Explain** the conditions and processes involved in the formation of a podzol soil.

8

[Turn over

## Question 5

Diagram Q5A The Intertropical Convergence Zone (ITCZ)

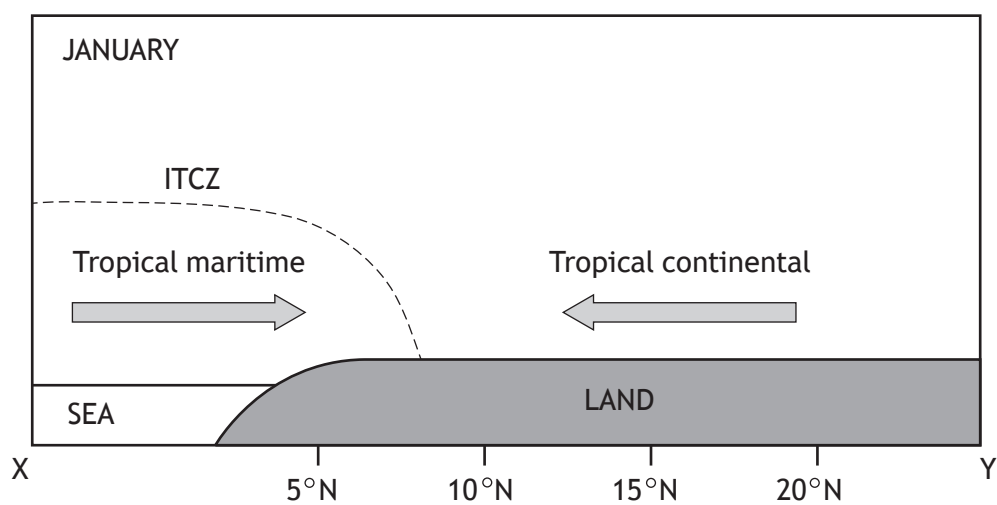
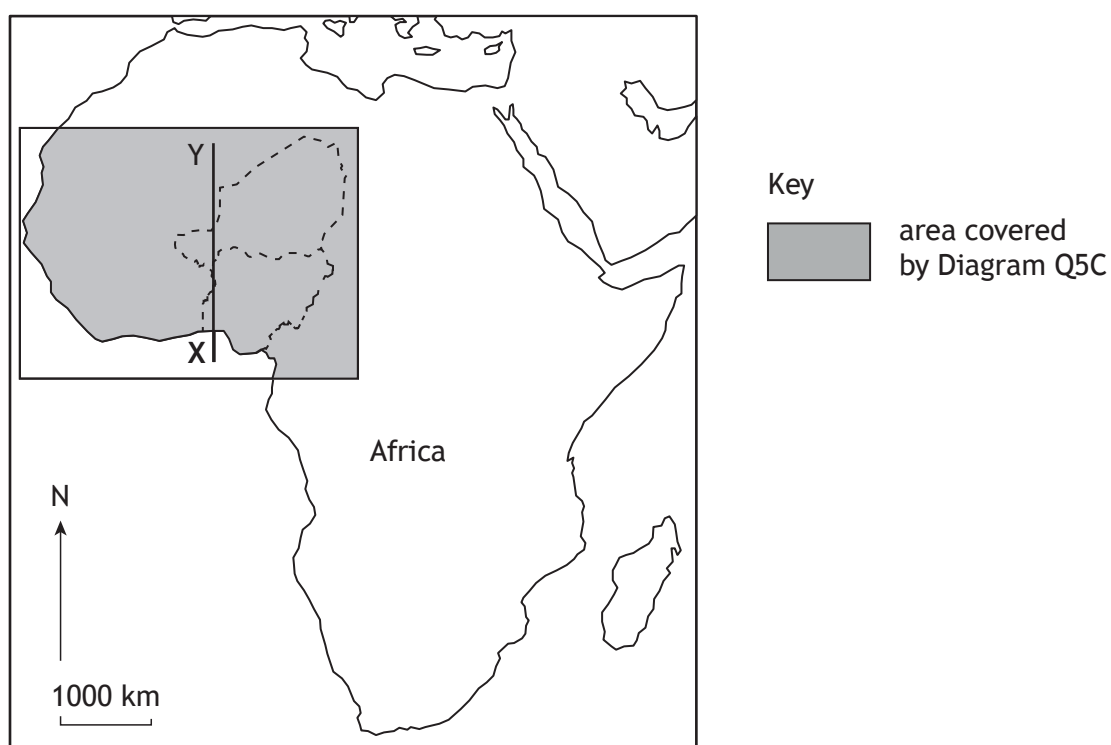


Diagram Q5B West Africa



Study Diagrams Q5A and Q5B.

- (a) **Describe** the origin and characteristics of the tropical maritime and tropical continental air masses.



## Question 5 (continued)

Diagram Q5C Location of selected cities

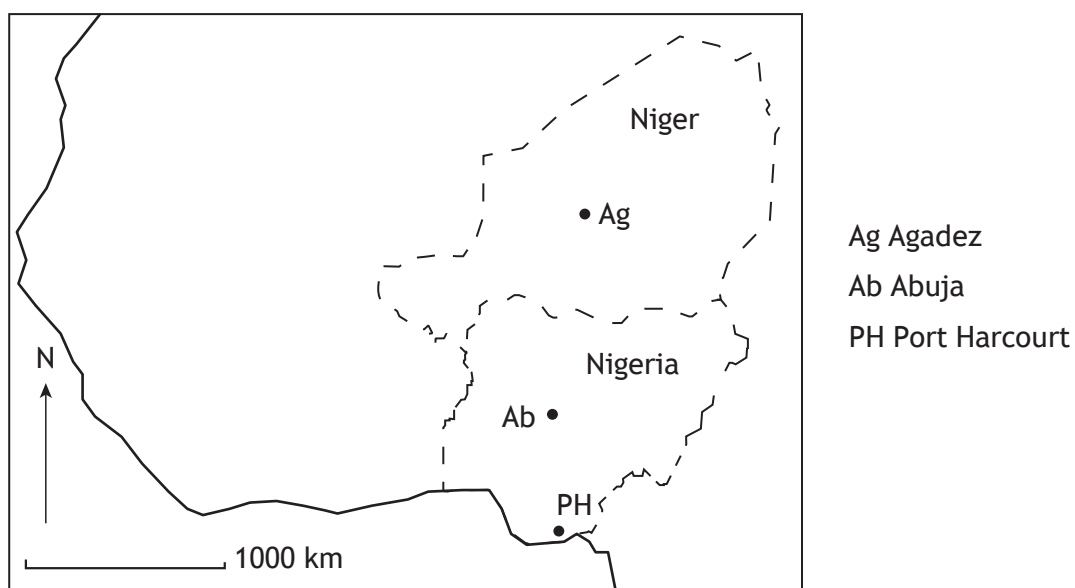
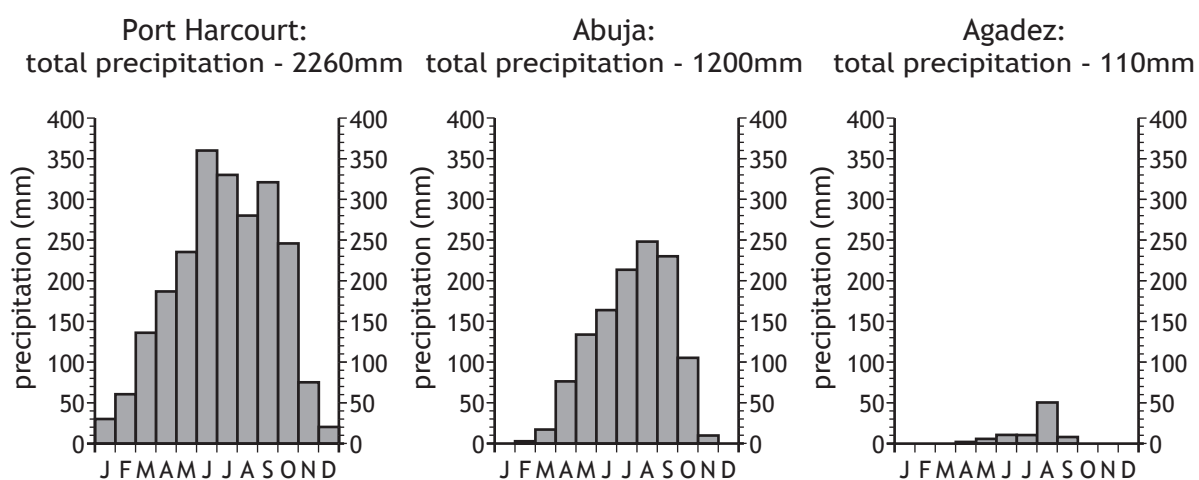


Diagram Q5D Selected rainfall graphs



Study Diagrams Q5A, Q5B, Q5C and Q5D.

(b) Referring to the position of the ITCZ:

- (i) **describe** the changing rainfall pattern as you move inland from Port Harcourt to Agadez **and**
- (ii) **suggest reasons** for these differences.

[Turn over

**SECTION 2 — HUMAN ENVIRONMENTS — 50 marks**

**Attempt ALL questions**

**Question 6**

**Describe** different methods used by countries to collect population data.

**6**



**Question 7**

**Explain** why it may be difficult to gather accurate population data in developing countries.  
You may wish to refer to named examples in your answer.

**12**

[Turn over

**Question 8**

For a named migration flow you have studied, **discuss** the impacts of this migration on **either** the donor **or** the receiving country.

**6**

## Question 9

Diagram Q9 Dharavi, Mumbai



Look at Diagram Q9.

Many strategies have been implemented to manage housing issues in developing world cities.

Referring to a named developing world city you have studied:

- (a) **describe** strategies used to improve housing in the city, and
- (b) **explain** how these strategies manage housing problems.

8

[Turn over

**Question 10**

Land degradation is a serious issue in rainforest and semi-arid areas.

Referring to a named rainforest or semi-arid area you have studied:

- (a) **describe** the strategies used to manage land degradation, **and**
- (b) **explain** how these strategies manage land degradation.

**8**

## Question 11

Diagram Q11 Sheep's Head Cliff, County Cork



Look at Diagram Q11.

Referring to a named glaciated **or** coastal area you have studied, **describe** the conflicts caused by the various land uses in the area.

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