

X833/76/11

Geography
Physical and Human
Environments

TUESDAY, 29 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 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.

## Diagram Q2 Headland and Bay



Look at Diagram Q2.

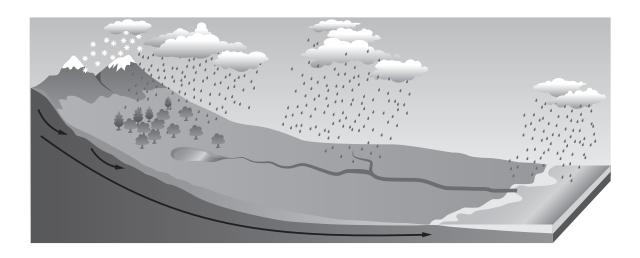
Headlands and bays are features found in coastal landscapes.

Explain the formation of a headland and bay.

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

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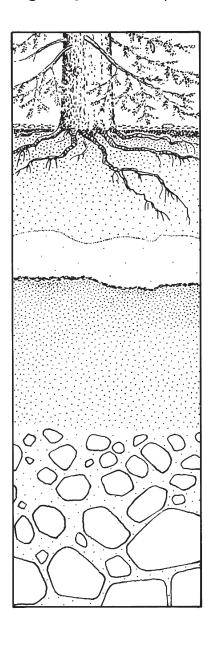
Diagram Q3 Drainage Basin



Look at Diagram Q3.

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

Diagram Q4 Podzol soil profile



Look at Diagram Q4.

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

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**Diagram Q5A** The Intertropical Convergence Zone (ITCZ)

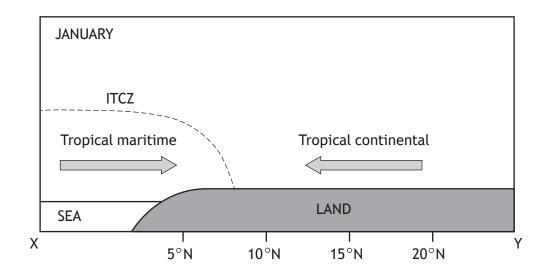
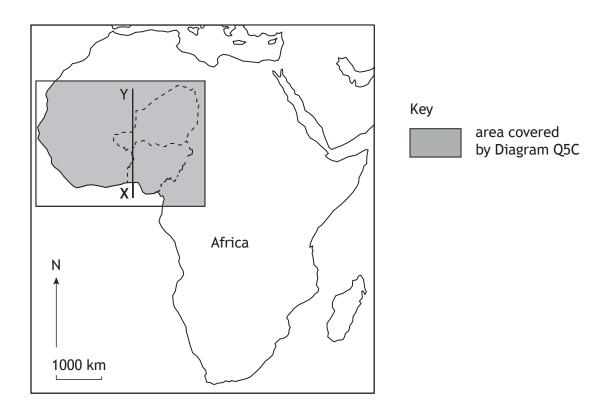


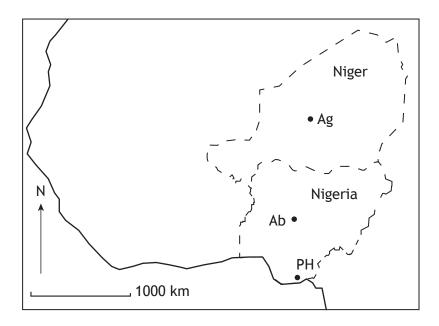
Diagram Q5B West Africa



Study Diagrams Q5A and Q5B.

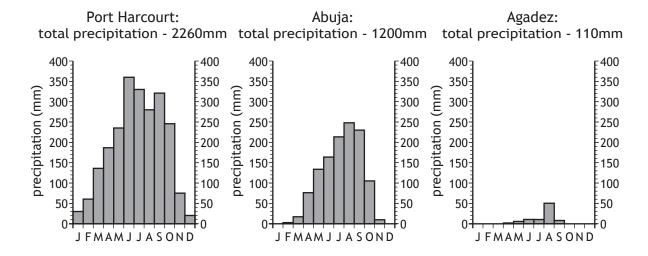
(a) **Describe** the origin **and** characteristics of the tropical maritime and tropical continental air masses.

Diagram Q5C Location of selected cities



Ag Agadez Ab Abuja PH Port Harcourt

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.

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## SECTION 2 — HUMAN ENVIRONMENTS — 50 marks Attempt ALL questions

Question 6

Describe different methods used by countries to collect population data.

Question 7

Explain why it may be difficult to gather accurate population data in developing countries. 12

You may wish to refer to named examples in your answer.

[Turn over

**MARKS** 

## Question 8

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

## 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.

[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.

## 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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