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Cambridge Assessment International Education

Cambridge International AS & A Level

GEOGRAPHY **9696/11**

Paper 1 Core Physical Geography **October/November 2025**

1 hour 30 minutes

1127203149

You must answer on the enclosed answer booklet.

You will need: Answer booklet (enclosed)
Insert (enclosed)

INSTRUCTIONS

- Answer **four** questions in total:
  Section A: answer **all** questions.
  Section B: answer **one** question.
- Follow the instructions on the front cover of the answer booklet. If you need additional answer paper, ask the invigilator for a continuation booklet.
- Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

INFORMATION

- The total mark for this paper is 60.
- The number of marks for each question or part question is shown in brackets [ ].
- The insert contains all the resources referred to in the questions.

This document has **4** pages. Any blank pages are indicated.

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Section A

Answer **all** questions in this section. All questions are worth 10 marks.

Hydrology and fluvial geomorphology

1 Fig. 1.1 shows areas with water levels above the flood threshold in Nigeria, Africa, 7 September 2023. Fig. 1.2 is a map of Nigeria, Africa.

(a) Describe the distribution of the areas above the flood threshold shown in Fig. 1.1. [4]

(b) Suggest **two** ways Fig. 1.1 could be used to help manage the risks of river flooding. [2]

(c) Explain **two** ways a river can be managed to reduce river flooding. [4]

Atmosphere and weather

2 Fig. 2.1 shows the albedos of different surfaces in an urban area.

(a) Which surface has an albedo range of 5% shown in Fig. 2.1? [1]

(b) Compare the albedos of the different surfaces shown in Fig. 2.1. [4]

(c) Explain how the climate of an urban area is affected by human activity. [5]

Rocks and weathering

3 Fig. 3.1 is a photograph which shows mass movements on a coast in the south of England, UK.

(a) State the type of mass movement labelled A in Fig. 3.1. [1]

(b) Draw a sketch of the mass movements shown in Fig. 3.1. Label the main features. [4]

(c) Suggest **two** reasons for mass movement A shown in Fig. 3.1. [5]

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Section B

Answer **one** question from this section. All questions are worth 30 marks.

Hydrology and fluvial geomorphology

4 **(a)** **(i)** Define the hydrological terms ‘interception’ and ‘throughfall’. [4]

(ii) Briefly explain how springs are formed. [3]

(b) Describe and explain the formation of deltas. [8]

(c) ‘Precipitation amount and intensity are the most important factors affecting the shape of a storm hydrograph.’

With the aid of examples, how far do you agree with this statement? [15]

Atmosphere and weather

5 **(a)** **(i)** Define the atmospheric terms ‘longwave radiation’ and ‘condensation’. [4]

(ii) Briefly explain why an area might experience seasonal variations in atmospheric pressure. [3]

(b) Describe and explain the evidence for the enhanced greenhouse effect and global warming. [8]

(c) ‘Radiation cooling is the main cause of fog.’

With the aid of examples, how far do you agree with this statement? [15]

Rocks and weathering

6 **(a)** **(i)** Define the weathering terms ‘salt crystal growth’ and ‘freeze–thaw’. [4]

(ii) Briefly explain the formation of volcanic island arcs. [3]

(b) Explain how the mass movement processes of heaves and flows occur on slopes. [8]

(c) ‘Some strategies to reduce mass movement on slopes are more effective than others.’

With the aid of examples, how far do you agree with this statement? [15]

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