CAMBRIDGE
International Education

Cambridge International AS & A Level

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER				

0123456789

GEOGRAPHY **9696/01**

Paper 1 Physical Geography **For examination from 2027**

SPECIMEN PAPER **1 hour 30 minutes**

You must answer on the question paper.

You will need: Insert (enclosed)
Calculator

INSTRUCTIONS

- Answer **four** questions in total:
  - Section A: answer **all** questions.
  - Section B: answer **one** question.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen. Do **not** use correction fluid or tape.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined pages at the end of this booklet; the question number or numbers must be clearly shown.
- Draw sketch maps and diagrams where needed in your answers.

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 **12** pages.

Section A

Answer **all** questions in this section.

Hydrology, river processes and hazards

1 Figure 1.1 is a photograph which shows a river flooding.

(a) Use Figure 1.1 to:

(i) identify the landform labelled X.

..... [1]

(ii) identify the landform shown between Y and Z.

..... [1]

(b) Describe the features of the flooding shown in Figure 1.1.

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..... [4]

(c) Suggest **two** factors that might cause a river to flood.

factor 1 .....

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factor 2 .....

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[4]

(d) Figure 1.2 shows a storm hydrograph.

Identify feature A of the storm hydrograph shown in Figure 1.2.

..... [1]

(e) Describe how deforestation in the drainage basin area might change the storm hydrograph in Figure 1.2.

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..... [4]

[Total:15]

Atmospheric processes and global climate change

2 Figure 2.1 shows incoming (shortwave) solar radiation. Figure 2.2 shows outgoing (longwave) radiation.

(a) State the total amount of outgoing (longwave) radiation shown in Figure 2.2. Show your working.

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..... [2]

(b) Explain how **either** atmospheric conditions **or** surface conditions affect the amount of solar radiation absorbed and reflected shown in Figure 2.1.

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..... [4]

(c) Figure 2.3 shows global carbon dioxide concentration in the atmosphere and global temperature change from 1850 to 2000.

Use Figure 2.3 to compare the trends in carbon dioxide concentration in the atmosphere and temperature change from 1850 to 2000.

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..... [4]

(d) Explain the role of greenhouse gases in global warming.

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..... [5]

[Total:15]

Earth processes and mass movements

3 Figure 3.1 shows two types of mass movement.

(a) Identify the type of mass movement labelled A in Figure 3.1.

..... [1]

(b) Compare the features of the mass movements labelled A and B in Figure 3.1.

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(c) Suggest how mass movement B shown in Figure 3.1 was caused.

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..... [5]

(d) Figure 3.2 is a photograph which shows management strategies used on a slope to reduce mass movement.

Identify the **two** management strategies shown in Figure 3.2.

strategy 1 .....

strategy 2 .....
[2]

(e) Describe how **one** of the management strategies in Figure 3.2 increases the stability of the slope.

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..... [3]

[Total:15]

Section B

Answer **one** question from this section.

Hydrology, river processes and hazards

4 'Climate is the most important factor influencing transfers in a drainage basin system.'

To what extent do you agree with this statement? Use examples to support your answer. [15]

Atmospheric processes and global climate change

5 To what extent are ocean currents the main energy transfer within the global energy budget? Use examples to support your answer. [15]

Earth processes and mass movements

6 Assess the extent to which subduction is involved in the formation of tectonic landforms. Use examples to support your answer. [15]

Indicate which question you have answered: Question 4, 5 or 6 .....

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Additional page

If you use the following page to complete the answer to any question, the question number must be clearly shown.

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