OXFORD
INTERNATIONAL
AQA EXAMINATIONS

Please write clearly in block capitals.

Centre number | | | | | | Candidate number | | | | |

Surname _____

Forename(s) _____

Candidate signature _____

I declare this is my own work.

INTERNATIONAL GCSE

GEOGRAPHY

Paper 1 Living with the Physical Environment

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:
- a ruler with millimetre measurements
- a calculator, which you are expected to use where appropriate.

For Examiner's Use	
Question	Mark
1	
2	
3	
4	
5	
TOTAL	

Instructions
- Use black ink or black ball-point pen.
- Fill in the boxes at the top of this page.
- Answer **all** questions in **Sections A**, **B** and **C**.
- Answer **one** question from **Section D**, **either** Question 4 **or** Question 5.
- You must answer the questions in the spaces provided.
  Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- All working must be shown.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information
- The maximum mark for this paper is 80.
- The marks for questions are shown in brackets.
- You may use a bilingual dictionary for this exam.
- You may **not** use an English dictionary.

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Section A – The challenge of natural hazards

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

For the multiple-choice questions, shade the circle next to the correct answer.

CORRECT METHOD  WRONG METHODS 

If you want to change your answer you must cross out your original answer as shown. 

If you wish to return to an answer previously crossed out, ring the answer you now wish to select as shown. 

0 1 . 1 Give **two** features of an earthquake.

[2 marks]

1 _____

_____

2 _____

_____

Study **Figure 1**, a table listing the most powerful earthquake for each year (2015–2020).

Figure 1

Year	Location	Magnitude (Richter scale)	Number of deaths
2015	Nepal	7.8	9000
2016	Ecuador	7.2	650
2017	Mexico	7.1	360
2018	Alaska	7.1	0
2019	Peru	8.0	2
2020	Turkey	6.7	41

0 1 . 2 State the mode for the magnitude of the earthquakes shown in **Figure 1**.

[1 mark]

_____

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0 1 . 3 Calculate the mean number of deaths resulting from the earthquakes shown in **Figure 1**.

[1 mark]

0 1 . 4 How useful is the mean for analysing the number of deaths shown in **Figure 1**?

[2 marks]

0 1 . 5 With the help of **Figure 1**, suggest possible reasons for the weak relationship between magnitude and the number of deaths resulting from earthquakes.

[4 marks]

Question 1 continues on the next page

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0 1 . 6 Use a named example to discuss the primary and secondary effects of a tectonic hazard.

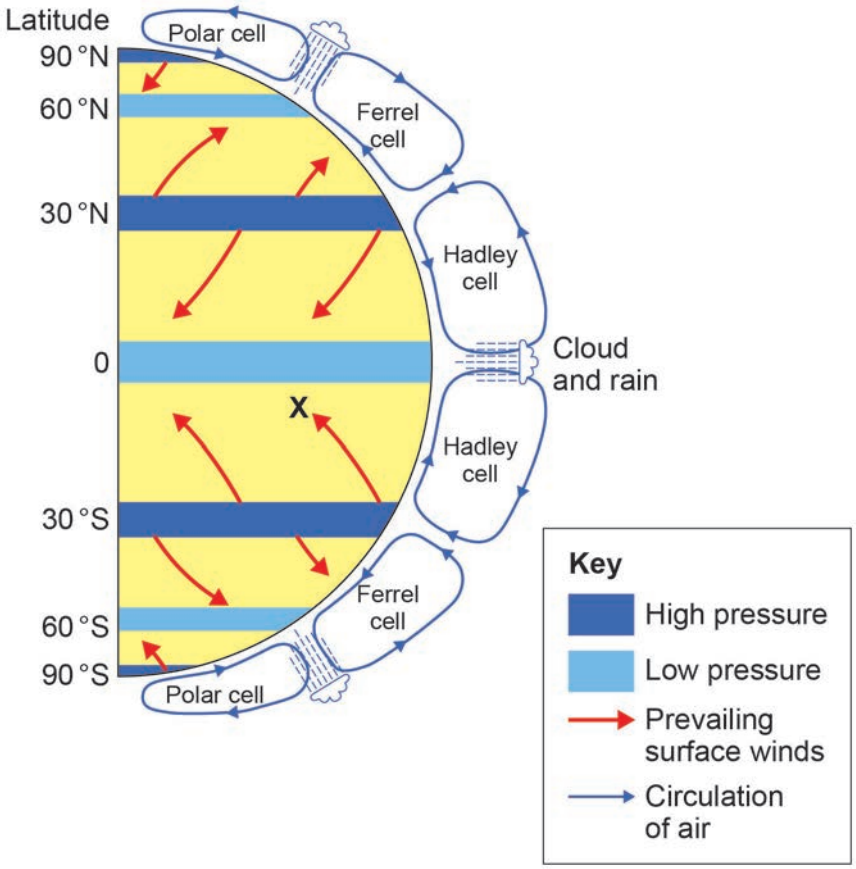
[6 marks]

Named example _____

Do not write outside the box

Study **Figure 2**, a diagram showing global atmospheric circulation.

Figure 2



0 1 . 7 What is the wind direction at **X** in **Figure 2**?

[1 mark]

0 1 . 8 Identify **two** different facts about the global atmospheric circulation shown in **Figure 2**.

[2 marks]

1 _____

2 _____

Question 1 continues on the next page

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0 1 . 9 Outline **one** cause of tropical storms.

[2 marks]

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Question 1 continues on the next page

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Study **Figure 3a** and **Figure 3b**, photographs showing responses to tropical storms.

Figure 3a

Figure 3b

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0 1 . 1 0 'Immediate responses to tropical storms are more important than long-term responses.'

To what extent do you agree with this statement?

Use **Figure 3a** and **Figure 3b** and your own knowledge.

[9 marks]

Extra space

30

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Section B – The living world

Answer **all** questions in the spaces provided.

You must answer **all** questions in this section.

0 2 . 1 Complete the following sentences to describe the characteristics of an ecosystem. **[2 marks]**

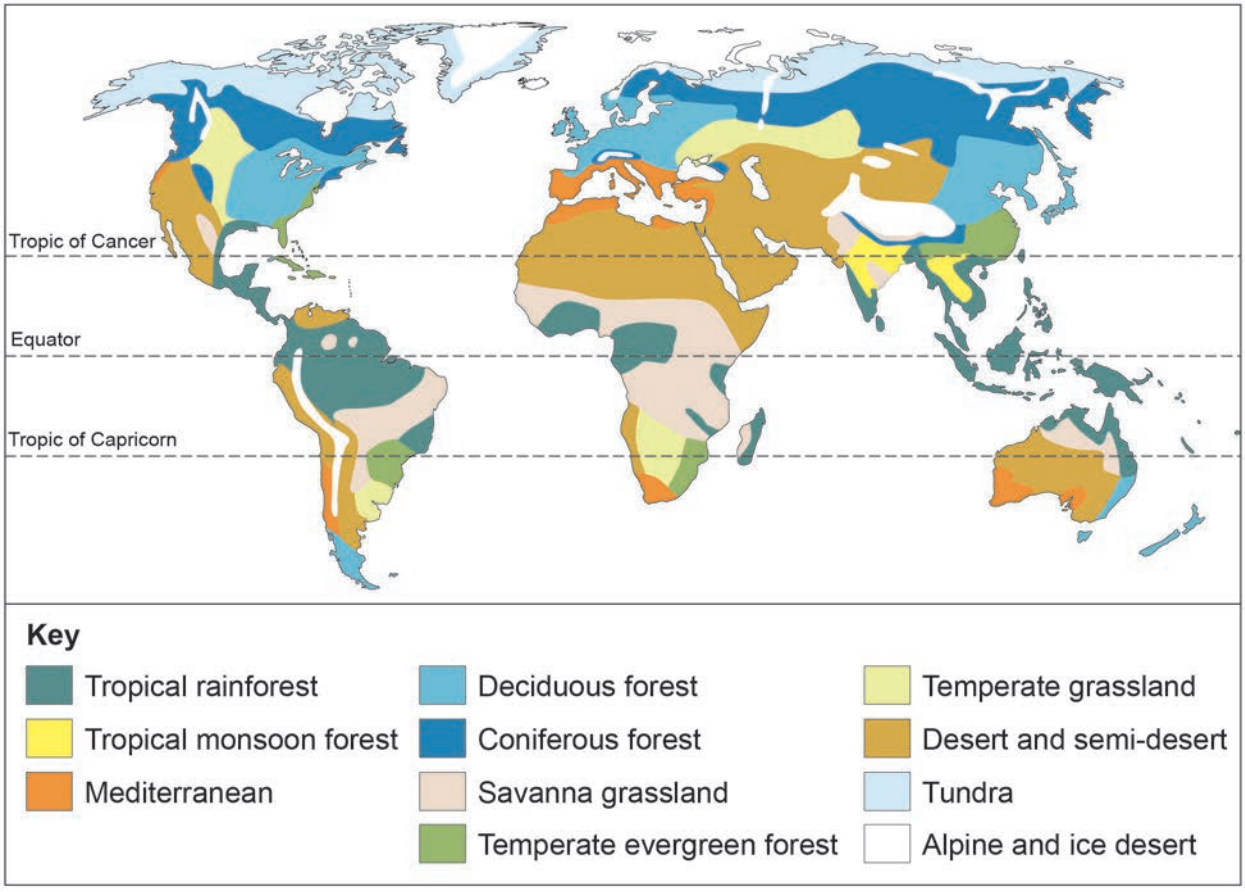
Ecosystems are made up of two components. These are _____

and _____ .

Ecosystems vary in scale from _____ to _____.

Study **Figure 4**, a map showing the distribution of ecosystems.

Figure 4



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0 2 . 2 Which **one** of the following statements is correct?

Shade **one** circle only.

[1 mark]

A Deciduous forest is found in all continents. ⬭

B Deciduous forest is only found on the eastern sides of continents. ⬭

C There is more deciduous forest in the northern hemisphere than the southern hemisphere. ⬭

D Tundra is only found in the southern hemisphere. ⬭

0 2 . 3 Use **Figure 4** to identify **two** differences in the distribution of hot deserts and tropical rainforests.

[2 marks]

1 _____

_____

2 _____

_____

Question 2 continues on the next page

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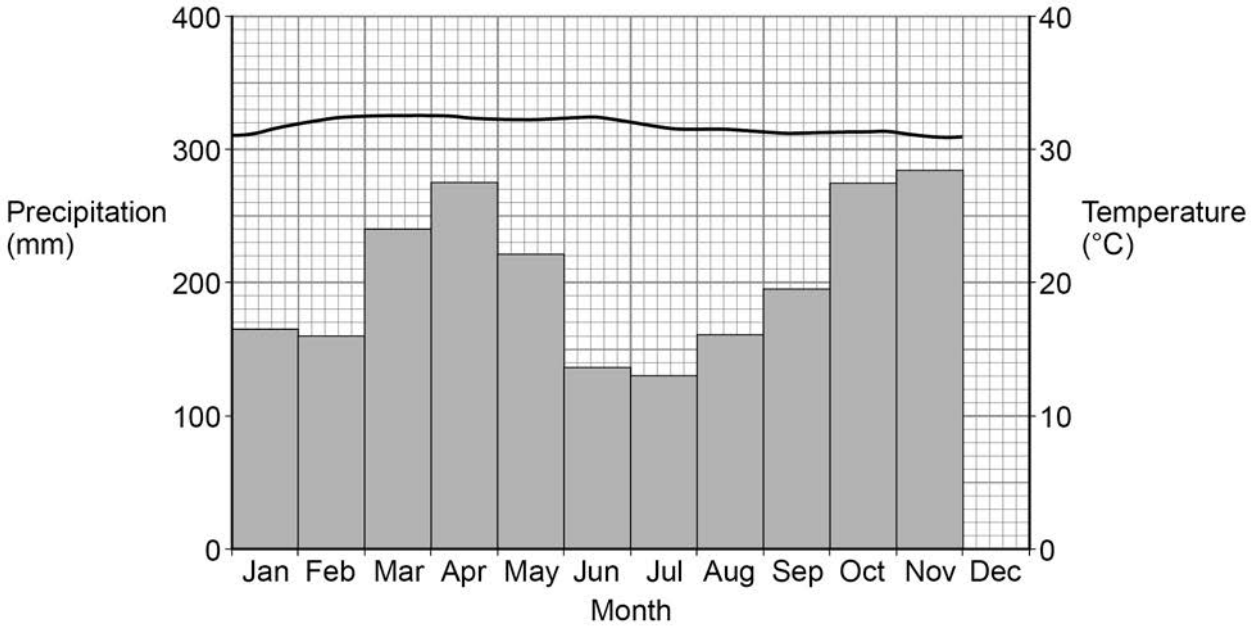
Study **Figure 5**, a graph showing the climate of Kuala Lumpur, a city in Malaysia.

Figure 5



0 2 . 4 Complete **Figure 5** by adding the following information for December.

[2 marks]

Temperature (°C)	Rainfall (mm)
31	235

0 2 . 5 Suggest how climate in an area of tropical rainforest may affect the soil.

Use **Figure 5** and your own understanding.

[4 marks]

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Question 2 continues on the next page

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Study **Figure 6**, a photograph showing vegetation in a hot desert area in Arizona, USA.

Figure 6

Do not write outside the box

0 2 . 6 Suggest reasons for the amount of vegetation cover and level of biodiversity in hot deserts.

Use evidence from **Figure 6** and your own knowledge.

[9 marks]

Extra space

20

Turn over for the next section

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Section C – Physical landscapes

Coastal landscapes

You must answer **all** questions in this section.

0 3 . 1 Outline the process of mechanical weathering.

[2 marks]

Study **Figure 7**, a photograph showing mass movement on a coastline.

Figure 7

Do not write outside the box

0 3 . 2 Identify **two** pieces of evidence which show that mass movement has taken place in **Figure 7**.

[2 marks]

1 _____

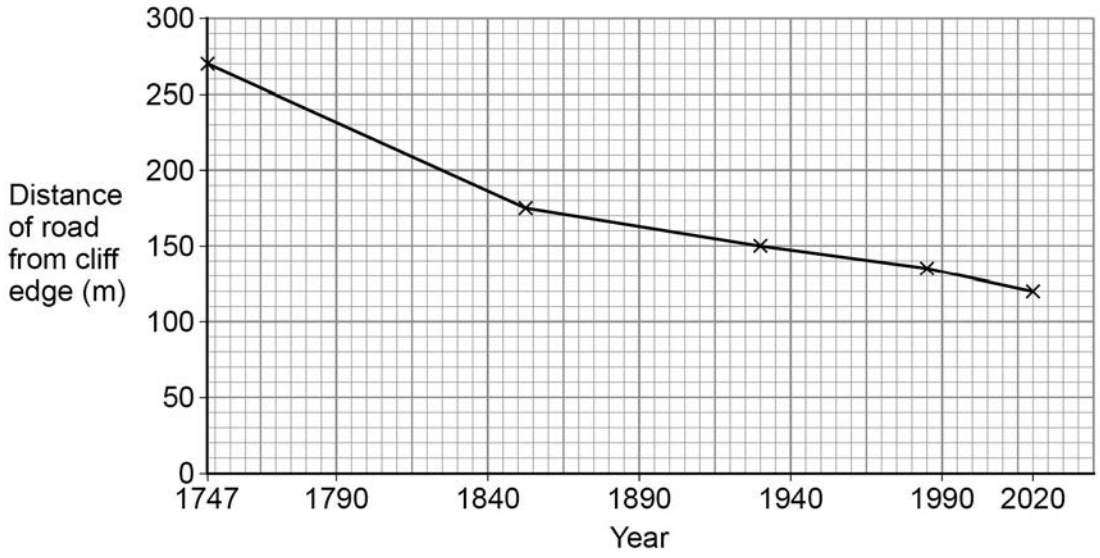
_____

2 _____

_____

Study **Figure 8**, a graph showing the retreat of a coastal cliff.

Figure 8



0 3 . 3 Calculate the amount of retreat from 1747–2020.

[1 mark]

_____

_____

Question 3 continues on the next page

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Study **Figure 9**, a photograph showing groynes as a means of protecting the coast.

Figure 9

0 3 . 4 Assess the effectiveness of groynes in protecting the coast.

Use **Figure 9** and your own understanding.

[4 marks]

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Study **Figure 10**, a photograph showing a coastal area in Oman.

Figure 10

0 3 . 5 Explain how physical processes have created the coastal landforms shown in **Figure 10**.

[6 marks]

15

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Section D – Physical landscapes

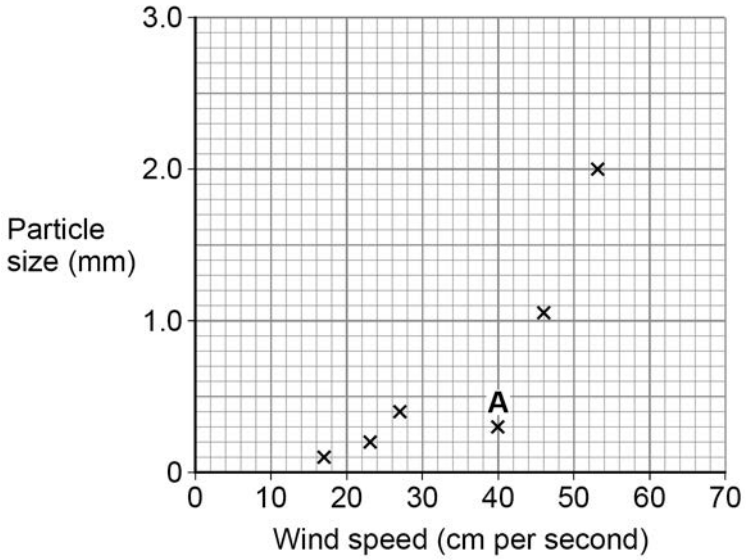
Hot desert landscapes or River landscapes

You must answer **one** question from this section, **either** Question 4 **or** Question 5.

Question 4 Hot desert landscapes

Study **Figure 11**, a scattergraph showing the relationship between wind speed and size of particles picked up.

Figure 11



0 4 . 1 Complete **Figure 11** by adding the following information.

[1 mark]

Wind speed (cm per second)	Particle size (mm)
63	3.0

0 4 . 2 Describe the trend shown in **Figure 11**.

[2 marks]

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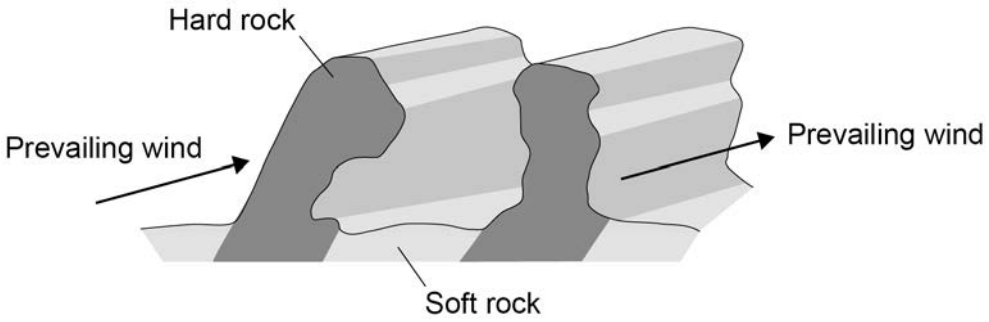
0 4 . 3 Suggest why **A** on **Figure 11** is an anomaly.

[2 marks]

Study **Figure 12**, a diagram showing a landform in a hot desert.

Figure 12



0 4 . 4 Explain how physical processes have shaped the landform shown in **Figure 12**.

Use **Figure 12** and your own understanding.

[4 marks]

Question 4 continues on the next page

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Study **Figure 13**, a photograph and extract about tourism in a hot desert area.

Figure 13

Tourists climb to the summit of Uluru in the Northern Territory of Australia on the last day that the guided walking track was open to the public on 25 October 2019. The Anangu, Uluru's traditional owners, wanted the track to be closed because they felt it weakened the landmark's spiritual significance.

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0 4 . 5 ‘Tourism has only a positive impact in hot desert areas.’

To what extent do you agree with this statement?

Use **Figure 13** and your own understanding.

[6 marks]

15

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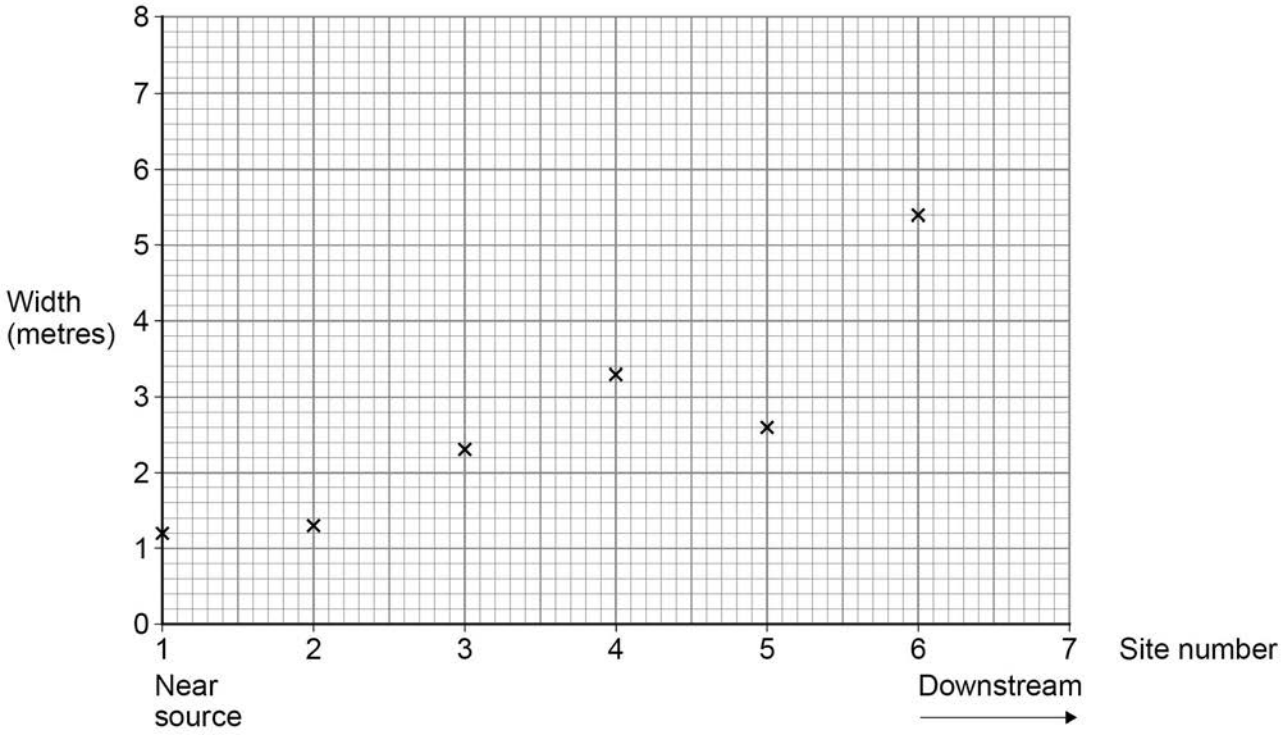
Question 5 River landscapes

Study **Figure 14**, a graph showing how the width of a river changes as it flows downstream.

Figure 14



0 5 . 1 Complete **Figure 14** by adding the following information for **site 7**.

[1 mark]

Width (metres)	7.2

0 5 . 2 Describe the trend shown in **Figure 14**.

[2 marks]

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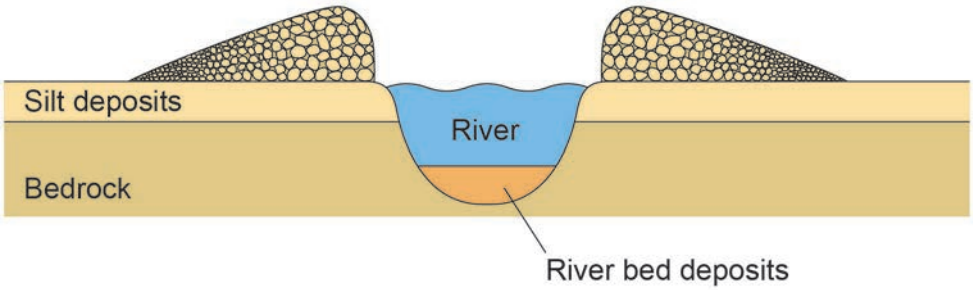
0 5 . 3 Suggest why **site 5** on **Figure 14** is an anomaly.

[2 marks]

Study **Figure 15**, a diagram showing a fluvial landform.

Figure 15



0 5 . 4 Explain how physical processes created the fluvial landform shown in **Figure 15**.

Use **Figure 15** and your own understanding.

[4 marks]

Question 5 continues on the next page

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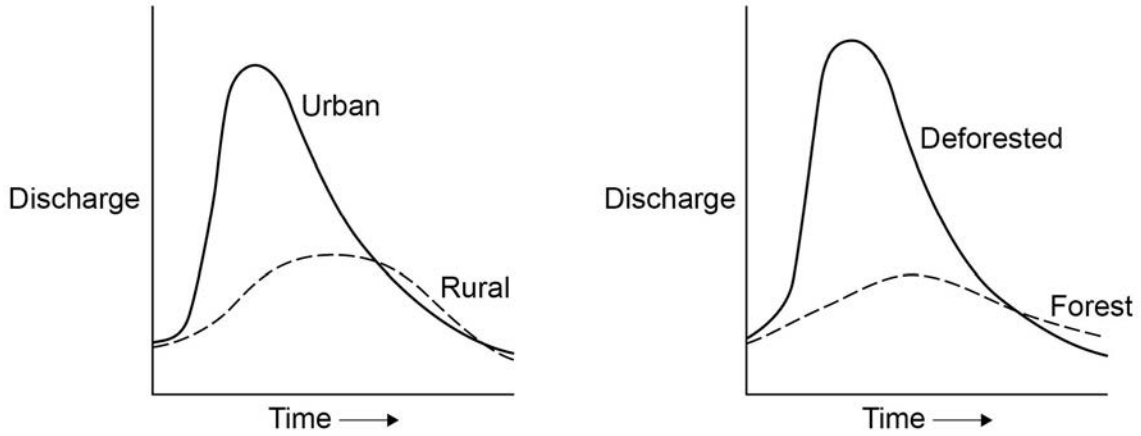
Study **Figure 16**, flood hydrographs showing the impacts of human activity on river discharge.

Figure 16



0 5 . 5 'Human activity always increases the risk of flooding.'

To what extent do you agree with this statement?

Use **Figure 16** and your own understanding.

[6 marks]

15

END OF QUESTIONS

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