

Please check the examination details below before entering your candidate information

Candidate surname					Other names				
Centre Number					Candidate Number				

Pearson Edexcel Level 3 GCE

Tuesday 12 May 2026

Afternoon (Time: 1 hour 45 minutes)

Paper reference **8GE0/01**

Geography
Advanced Subsidiary
PAPER 1: Dynamic Landscapes

You must have:
 Resource Booklet (enclosed)
 Calculator, ruler

Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer Question 1 in Section **A** and **EITHER** Section **B** OR Section **C**.
- Answer the questions in the spaces provided
 – *there may be more space than you need.*

Information

- The total mark for this paper is 90.
- The marks for **each** question are shown in brackets
 – *use this as a guide as to how much time to spend on each question.*
 Calculators may be used.

●

Advice

- Read each question carefully before you start to answer it.
 Check your answers if you have time at the end.
 You should show all your working out with your answer.

Turn over ►

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P:1/1/1/1/1

P79544A0136

Answer Section A and EITHER Section B OR Section C.

SECTION A

Tectonic Processes and Hazards

Answer ALL questions. Write your answers in the spaces provided.

Some questions must be answered with a cross in a box ☐. If you change your mind about an answer, put a line through the box ☐ and then mark your new answer with a cross ☐

You must use the Resource Booklet provided.

- 1 (a) Study Figure 1a below.

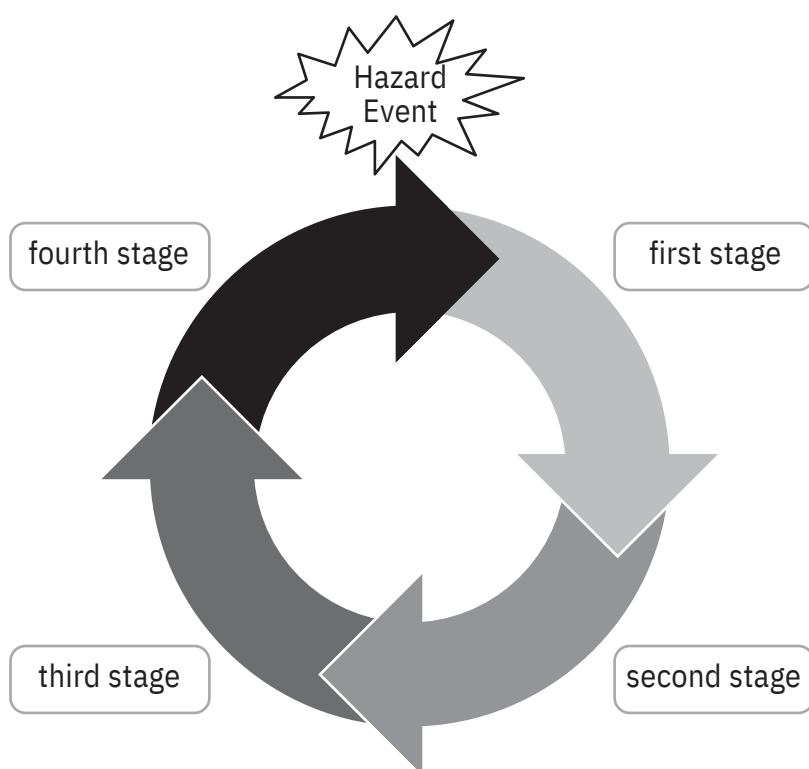


Figure 1a

Hazard management cycle

Identify the first stage of the hazard management cycle.

(1)

- ☐ **A** Mitigation
- ☐ **B** Preparedness
- ☐ **C** Recovery
- ☐ **D** Response

(b) Study Figure 1b in the Resource Booklet.

Mount Kanlaon, a volcano in the Philippines, erupted in 2024. Gas and ash emissions have threatened Canlaon City, to the east of the volcano.

(i) Calculate the percentage of emissions that threatened Canlaon City.

Give your answer to **one** decimal place.

Show your working below.

(2)

..... %

(ii) Suggest **one** way that this eruption of Mount Kanlaon might affect the people living around the volcano.

(3)

(c) Explain **two** reasons for the movement of tectonic plates.

(4)

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(d) Explain the physical processes that cause tsunamis.

(6)

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(e) Study Figure 1c in the Resource Booklet.

Assess the extent to which governance reduced the impacts of the Hualien 2024 ear thquake.

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(Total for Question 1 = 28 marks)

TOTAL FOR SECTION A = 28 MARKS

SECTION B

Glaciated Landscapes and Change

Do not answer Section B (Glaciated Landscapes and Change) if you have answered Section C (Coastal Landscapes and Change).

Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.

If you answer Section B, put a cross in the box.

Some questions must be answered with a cross in a box. If you change your mind about an answer, put a line through the box and then mark your new answer with a cross.

You must use the Resource Booklet provided.

2 (a) Study Figures 2a and 2b in the Resource Booklet.

(i) Identify the relict glaciated landform marked X on the photograph.

(1)

(ii) Calculate the annual range of temperatures shown in Figure 2b.

Give your answer to **one** decimal place.

Show your working below.

(2)

.....°C

(iii) Suggest **one** physical process that has helped form this relict glacial landscape.

(3)

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(b) Explain **two** pieces of evidence that can be used to show the extent of the Pleistocene ice sheet.

(4)

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(d) Assess the extent to which the successful management of glacial landscapes is made more difficult by climate change.

(12)

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(Total for Question 2 = 28 marks)

3 (a) Study Figure 3 below.

A group of students collected fieldwork data to investigate the impact of human activity on fragile glaciated landscapes in North Wales.

As part of their fieldwork they measured the percentage (%) of bare ground that trampling has caused to footpaths. The data from one site is shown in the table below and was then presented as a bar graph.

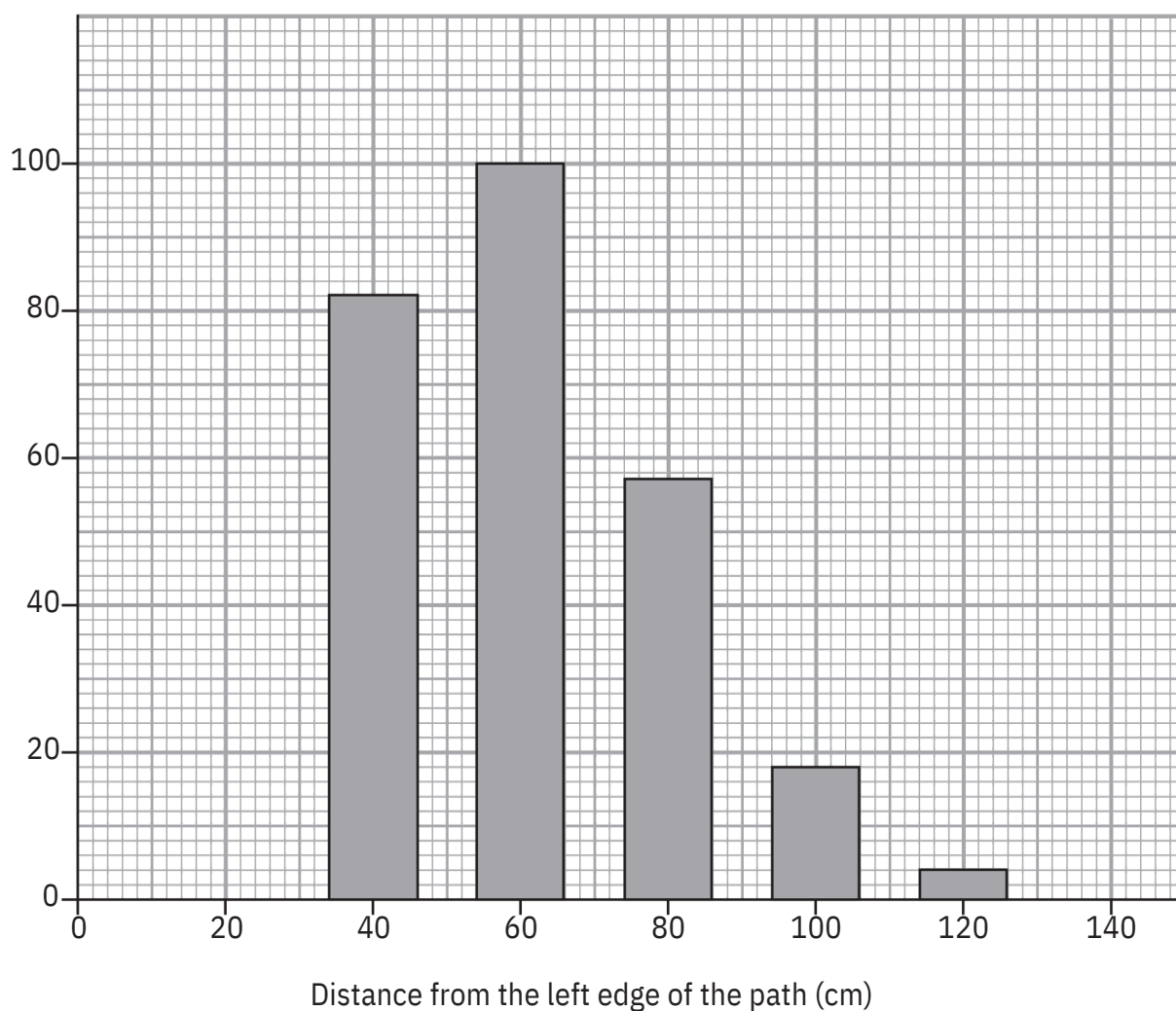
Sample point	Distance of each sample point across the path from the left hand side (cm)	Percentage (%) of bare ground
1 (Left edge of footpath)	0	0
2 3 4 5 6 7 8 (Right edge of footpath)	20	32
	40	82
	60	10
	80	0
	100	57
	120	18
	140	4
	0	

Figure 3
Fieldwork data

(i) Complete the bar graph below.

(1)

Percentage (%) of bare ground



(ii) Identify which sample point had the highest amount of bare ground.

(1)

- ☐ A 40cm B
- ☐ 60cm C
- ☐ 80cm D
- ☐ 100cm

(iii) Identify the sampling strategy the students used to measure trampling across the path.

(1)

- ☐ **A** Opportunistic
- ☐ **B** Random
- ☐ **C** Stratified
- ☐ **D** Systematic

(iv) Suggest **one** other primary data collection method (fieldwork) the students could use to develop this investigation.

(2)

(v) Explain **two** ways the students could have used secondary data to plan this fieldwork.

(4)

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(Total for Question 3 = 18 marks)

Evaluate the extent to which physical processes threaten the environmental value of Kenya's Rift Valley.

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(Total for Question 4 = 16 marks)

TOTAL FOR SECTION B = 62 MARKS

SECTION C

Coastal Landscapes and Change

Do not answer Section C (Coastal Landscapes and Change) if you have answered

Section B (Glaciated Landscapes and Change)

Indicate which question you are answering by marking a cross in the box. If you change your mind, put a line through the box and then indicate your new question with a cross.

If you answer Section C, put a cross in the box.

Some questions must be answered with a cross in a box. If you change your mind about an answer, put a line through the box and then mark your new answer with a cross.

You must use the Resource Booklet provided.

5 (a) Study Figures 5a and 5b in the Resource Booklet.

(i) Identify the landform marked X on the photograph.

(1)

(ii) Calculate the range of wave heights shown in Figure 5b.

Give your answer to **one** decimal place.

Show your working below.

(2)

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(iii) Suggest **one** physical process that has helped form this coastal landscape.

(3)

(b) Explain **two** features of emergent coastlines.

(4)

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(c) Explain how the effects of climate change on coastlines may create environmental refugees.

(6)

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(d) Assess the extent to which the successful management of coastal landscapes is helped by an understanding of sediment cells.

(12)

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(Total for Question 5 = 28 marks)

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6 (a) Study Figure 6 below.

A group of students collected fieldwork data to investigate the impact of human activity on sand dunes in North Wales.

As part of their fieldwork they measured the percentage (%) of bare ground that trampling has caused to footpaths. The data from one site is shown in the table below and was then presented as a bar graph.

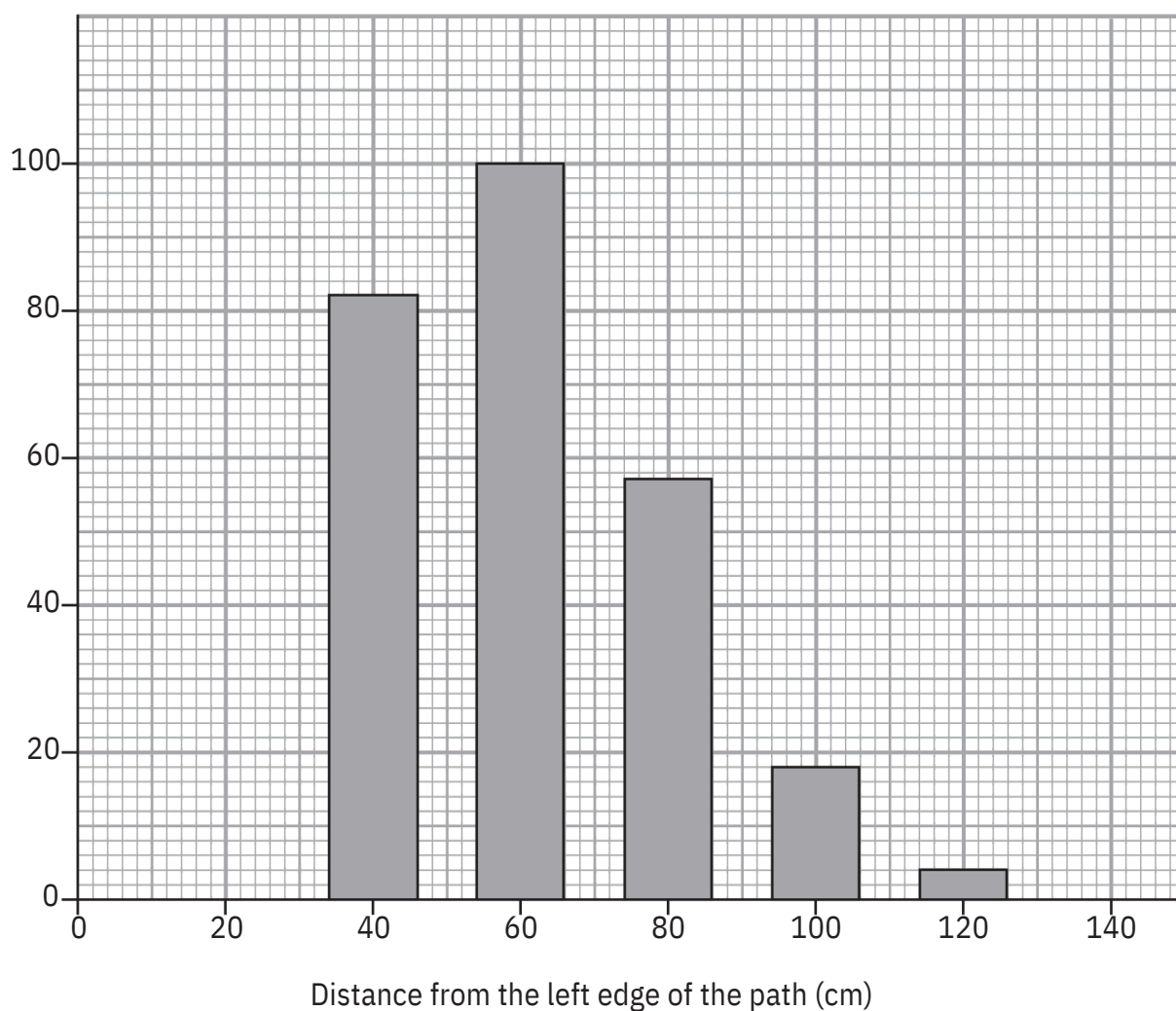
Sample point	Distance of each sample point across the path from the left hand side (cm)	Percentage (%) of bare ground
1 (Left edge of footpath)	0	0
2 3 4 5 6 7 8 (Right edge of footpath)	20	32
	40	82
	60	10
	80	0
	100	57
	120	18
	140	4
		0

Figure 6
Fieldwork data

(i) Complete the bar graph below.

(1)

Percentage (%) of bare ground



(ii) Identify which sample point had the highest amount of bare ground.

(1)

- ☐ A 40cm B
- ☐ 60cm C
- ☐ 80cm D
- ☐ 100cm

(iii) Identify the sampling strategy the students used to measure trampling across the path.

(1)

- ☐ **A** Opportunistic
- ☐ **B** Random
- ☐ **C** Stratified
- ☐ **D** Systematic

(iv) Suggest **one** other primary data collection method (fieldwork) the students could use to develop this investigation.

(2)

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(v) Explain **two** ways the students could have used secondary data to plan this fieldwork.

(4)

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2

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Geographical enquiry question

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(Total for Question 6 = 18 marks)

Evaluate the extent to which physical processes threaten the environmental sensitivity of these Hawaiian Islands.

(16)

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(Total for Question 7 = 16 marks)

TOTAL FOR SECTION C = 62 MARKS
TOTAL FOR PAPER = 90 MARKS

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