

Please check the examination details below before entering your candidate information			
Candidate surname		Other names	
<b>Pearson Edexcel</b> <b>Level 3 GCE</b>		Centre Number	Candidate Number
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<b>Wednesday 20 May 2020</b>			
Afternoon (Time: 2 hours 15 minutes)		Paper Reference <b>9GE0/01</b>	
<b>Geography</b> <b>Advanced</b> <b>Paper 1</b>			
<b>You must have:</b> Resource Booklet (enclosed) Ruler, calculator			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 **all** questions in Section **A** and Section **C**.
- Answer **either** Question 2 **or** Question 3 in Section **B**.
- Answer the questions in the spaces provided  
– *there may be more space than you need.*
- Calculators may be used.
- Any **calculations** must show **all** stages of **working out** and a **clear answer**.

### Information

- The total mark for this paper is 105.
- The marks for **each** question are shown in brackets  
– *use this as a guide as to how much time to spend on each question.*

### Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ►

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**Pearson**

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(Total for Question 1 = 16 marks)

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**TOTAL FOR SECTION A = 16 MARKS**



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Study Figure 2b in the Resource Booklet.

- (b) Explain the role of mean annual air temperature in influencing the distribution of permafrost across Canada.

(6)

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(d) Evaluate the view that the threats to glaciated landscapes can only be managed successfully on a global scale.

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(Total for Question 2 = 40 marks)



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Study Figure 3b in the Resource Booklet.

(b) Explain the role of sediment transport in the development of this coastal landscape.

(6)



(c) Explain why sustainable management of coastlines may lead to local conflicts.

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(d) Evaluate the view that rates of coastal recession are largely controlled by geological factors.

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(Total for Question 3 = 40 marks)

**TOTAL FOR SECTION B = 40 MARKS**



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**SECTION C: PHYSICAL SYSTEMS AND SUSTAINABILITY**

**Answer ALL questions in this section. Write your answers in the spaces provided.**

**You must use the Resource Booklet provided.**

**4** Study Figure 4 in the Resource Booklet.

(a) Explain **one** impact of an El Niño event on the hydrological system.

(3)

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- (b) Explain how the physical features of a drainage basin affect the shape of storm hydrographs.

You may draw a diagram to help your answer.

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(c) Explain why human actions often increase water insecurity.

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(d) Assess the importance of renewable energy in reducing the risks of further planetary warming.

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(e) Evaluate the view that changes to the carbon cycle pose more threats to people than changes to the water cycle.

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(Total for Question 4 = 49 marks)

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**TOTAL FOR SECTION C = 49 MARKS**  
**TOTAL FOR PAPER = 105 MARKS**

