

Please check the examination details below before entering your candidate information

Candidate surname

Other names

**Pearson Edexcel  
Level 3 GCE**

Centre Number

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Candidate Number

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**Thursday 11 June 2020**

Afternoon (Time: 2 hours 15 minutes)

Paper Reference **9GE0/03**

**Geography  
Advanced  
Paper 3**

**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 **all** questions.
- 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 70.
- 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**

- You are **advised** to spend the first **15 minutes** reading the Resource Booklet.
- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

**Turn over ▶**

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**Pearson**

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

**You must use the Resource Booklet provided and your own knowledge and understanding from across your course of study to answer the questions in this paper.**

- 1 Explain the differences between colonial and neo-colonial mechanisms of maintaining power.

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**(Total for Question 1 = 4 marks)**

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- 2 (a) Table 1 below shows data for the level of development of the 38 members of the United Nations that are landlocked countries.

A Chi-squared test was used to establish if there is an association between being landlocked and the level of development. Two hypotheses were set up:

*There is no significant association between the level of development and being landlocked.*

*Alternative hypothesis:*

*There is a significant association between the level of development and being landlocked.*

- (i) Using the formula and the data in Table 1 below calculate the value of  $\chi^2$

(2)

$$\chi^2 = \sum \frac{(O - E)^2}{E}$$

Show your working.

$$\chi^2 = \dots$$

Level of development	Low human development	Medium human development	High human development	Very high human development
Observed	14	4	7	13
Expected	9.50	9.50	9.50	9.50
$(O-E)^2$	20.25	30.25	6.25	12.25
$(O-E)^2 / E$	2.13	3.18	0.66	1.29

Table 1



P 6 2 6 3 6 A 0 3 1 6

- (ii) To test the significance of this value for  $\chi^2$  the table below was used to determine which hypothesis should be accepted.

	<b>90% significant (0.1)</b>	<b>95% significant (0.05)</b>	<b>99% significant (0.01)</b>
Critical value	6.25	7.81	11.34

State the result of this test of significance.

(2)

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- (b) Explain why the result you have reached for the  $\chi^2$  test in 2 (a)(ii) may not be a reliable guide to the relationship between a country being landlocked and its level of development.

(4)

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**(Total for Question 2 = 8 marks)**

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- 3 Study Figures 1, 2, 3a and 3b in Section A of the Resource Booklet.

Analyse the evidence that the trade profile of Latin America might hinder its development.

(8)



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(Total for Question 3 = 8 marks)



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- 4 Study Figure 4 and Figure 5 in Section A of the Resource Booklet.

Analyse the relationship between inequalities and the level of social and economic development.

(8)



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(Total for Question 4 = 8 marks)



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- 5 Study the resources in Section B of the Resource Booklet.

Evaluate the view that economic development based on natural resources inevitably leads to environmental degradation (destruction).

(18)



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**(Total for Question 5 = 18 marks)**



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You should have read the whole of the Resource Booklet, including Sections C and D, before attempting this question.

- 6 Evaluate the view that Latin American countries cannot develop whilst the USA remains the dominant global superpower.

(24)



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(Total for Question 6 = 24 marks)

**TOTAL FOR PAPER = 70 MARKS**

