

Paper Reference 9GE0/03
Pearson Edexcel
Level 3 GCE

Total Marks

Geography
Advanced
PAPER 3

Monday 10 June 2024 – Afternoon

Time: 2 hours 15 minutes

In the boxes below, write your name,
centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

YOU MUST HAVE

Calculator, ruler

YOU WILL BE GIVEN

Data Booklet

Resource Booklet

INSTRUCTIONS

Answer ALL questions.

Answer the questions in the spaces provided in this Question Paper – there may be more space than you need.

Any CALCULATIONS must show all stages of WORKING OUT and a CLEAR ANSWER.

Turn over

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.

Calculators may be used.

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.

Answer ALL questions.

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 why transnational corporations (TNCs) benefit from globalisation.**

(4 marks)

Answer lines continue on the next page.

1. continued.

(Total for Question 1 = 4 marks)

Turn over

- 2. (a) Refer to the table for Question 2(a) in the Data Booklet. It shows data from 2019 for the Gross Domestic Product (GDP) per capita and the Environmental Vulnerability Index (EVI)* for Haiti and 11 of its closest neighbouring countries.**

A Spearman correlation test was used to establish whether there was a statistically significant relationship between GDP per capita and the EVI of these 12 countries.

(continued on the next page)

Turn over

2. (a) continued.

The null hypothesis: There is NO significant relationship between the level of GDP per capita of a country and its EVI score.

The alternative hypothesis: There IS a significant relationship between the level of GDP per capita of a country and its EVI score.

(continued on the next page)

Turn over

2. (a) continued.

*** Environmental vulnerability
uses 50 variables to measure the
level of both natural and human
threats, as well as the resilience
of countries in coping with these
threats.**

**The higher the EVI scores the
more vulnerable is the country.**

(continued on the next page)

2. (a) continued.

(i) Calculate the value of d^2 for the United States.

Show your working.

(2 marks)

$d^2 =$ _____

(continued on the next page)

Turn over

2. (a) continued.

(ii) Then using the formula below calculate the value of r_s .

$$r_s = 1 - \frac{6 \sum d^2}{n(n^2 - 1)}$$

Show your working.

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

(2 marks)

**Answer space continues on
the next page.**

2. (a) (ii) continued.

r_s _____

(continued on the next page)

Turn over

2. continued.

(b) The result suggests that the NULL hypothesis should be accepted at the 99% confidence level.

Explain why this result may not be reliable.

(4 marks)

Answer lines continue on the next page.

Turn over

(Total for Question 2 = 8 marks)

Turn over

- 3. Study Figure 1, Figure 2 and Figure 3 in Section A of the Resource Booklet.**

Analyse the evidence that the people of Haiti face greater economic and social challenges than their neighbours.

(8 marks)

Answer lines continue on the next four pages.

Turn over

3. continued.

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3. continued.

(Total for Question 3 = 8 marks)

Turn over

4. Study Figure 4, Figure 5 and Figure 6 in Section A of the Resource Booklet.

Analyse the impact of tectonic and hydrometeorological hazards on the landscape and people of Haiti.

(8 marks)

Answer lines continue on the next four pages.

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4. continued.

(Total for Question 4 = 8 marks)

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

Evaluate the view that Haiti's colonial past is the main reason for its current level of development.

(18 marks)

Answer lines continue on the next twelve pages.

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(Total for Question 5 = 18 marks)

Turn over

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

- 6. ‘If the Haitian population is to have a prosperous future it needs international action to build a sustainable economy’. Evaluate this view.**

(24 marks)

Answer lines continue on the next sixteen pages.

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6. continued.

(Total for Question 6 = 24 marks)

TOTAL FOR PAPER = 70 MARKS

END OF PAPER
