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**Pearson Edexcel
Level 3 GCE**

Centre Number

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Candidate Number

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Geography

Advanced Subsidiary Paper 2: Dynamic Places

Friday 19 May 2017 – Afternoon
Time: 1 hour 45 minutes

Paper Reference

8GE0/02

You must have:

Ruler, calculator, Resource Booklet (enclosed)

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 **EITHER** Section B **OR** Section C.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- Calculators may be used.

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.*

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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Answer Section A and EITHER Section B OR Section C.

SECTION A: GLOBALISATION

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

You must use the Resource Booklet provided.

- 1** (a) State an example of a composite index measuring development.

(1)

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

- (i) Identify the country that has experienced the largest absolute increase in GNI (PPP) per capita between 1994 and 2014.

(1)

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- (ii) Identify the country that has experienced the fastest rate of growth in GNI (PPP) per capita between 2004 and 2014.

(1)

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- (iii) Suggest **one** way in which the physical geography of one of the selected countries might affect its rate of development.

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(e) Study Figures 1b and 1c in the Resource Booklet.

Assess the role of trade blocs in contributing to the growth of both the global economy **and** national economies.

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(Total for Question 1 = 28 marks)

TOTAL FOR SECTION A = 28 MARKS



SECTION B: REGENERATING PLACES

Do not answer Section B (Regenerating Places) if you have answered Section C (Diverse Places).

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

You must use the Resource Booklet provided.

- 2 (a) Define the term **deindustrialised region**.

(1)

- (b) Study Figure 2 below, a dispersion diagram showing unemployment data for 15 states in Germany.

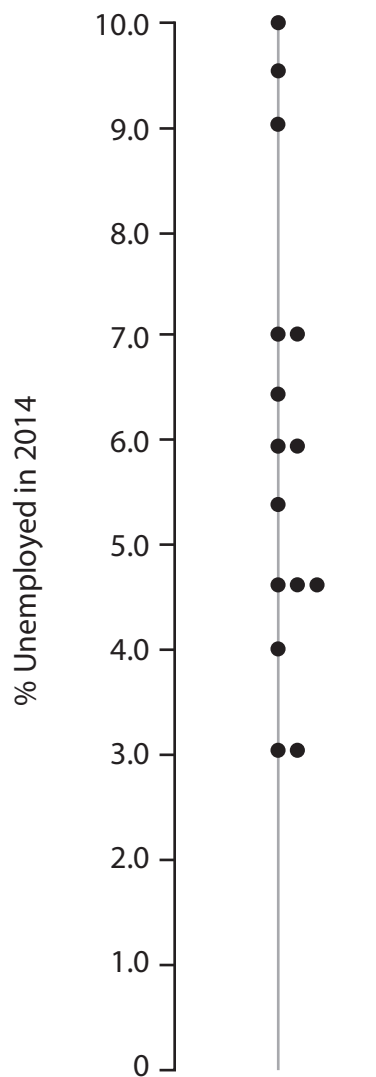


Figure 2



- (i) Plot the data for Hamburg on Figure 2.

(1)

State in Germany	% Unemployed
Hamburg	5.0

- (ii) Calculate the interquartile range for the completed set of data.

(1)

Answer = %

- (iii) Suggest **one** reason why unemployment rates differ across developed countries such as Germany.

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(c) Explain **two** reasons why different urban community groups may have contrasting views about regeneration.

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(e) Assess the extent to which economic regeneration brings benefits to rural areas.

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(Total for Question 2 = 28 marks)



3 A student collected fieldwork data on how environmental quality varied with distance from a flagship regeneration scheme in the centre of Birmingham.

Study Figure 3 below, which shows a partly completed Spearman's rank correlation coefficient test.

(a) (i) Complete the statistical test by filling in the table below. (2)

Distance from flagship regeneration (metres)	Rank distance	Environmental Quality Score	Rank Environmental Quality	Difference between ranks (d)	d ²
50	1	+4	2	1	1
100	2	+5	1	1	1
150	3	+3	3	0	0
200	4	-1	8	4	16
250	5	+2	4.5	0.5	0.25
300	6	+2	4.5	1.5	2.25
350	7	0	7	0	0
400	8	1	6		
450	9	-2	9	0	0
500	10	-4	10	0	0
				$\Sigma d^2 =$	

Figure 3

(ii) The student determined that there was a strong **negative correlation** between environmental quality score and distance from the flagship regeneration scheme.

Explain what is meant by a negative correlation. (1)

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(iii) Give **two** possible reasons for the relationship between environmental quality and distance from the flagship regeneration scheme.

(2)

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(b) Explain **one** advantage and **one** disadvantage of using oral accounts in fieldwork.

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Advantage

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Disadvantage

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(Total for Question 4 = 16 marks)

TOTAL FOR SECTION B = 62 MARKS



SECTION C: DIVERSE PLACES

Do not answer Section C (Diverse Places) if you have answered Section B (Regenerating Places).

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

You must use the Resource Booklet provided.

- 5 (a) Define the term **industrialisation**.

(1)

- (b) Study Figure 5 below, which is a dispersion diagram showing fertility rates for selected countries in the European Union in 2013.

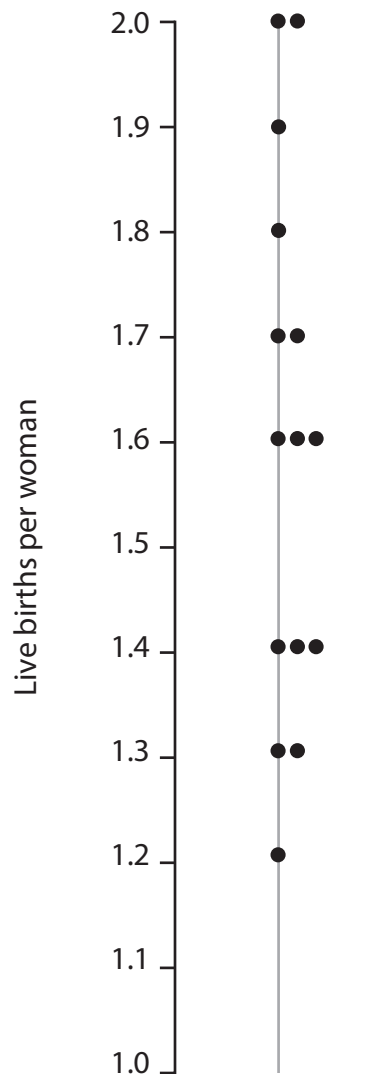


Figure 5



(i) Plot the data for Hungary on Figure 5. (1)

European Union country	Fertility rate
	Births per woman
Hungary	1.35

(ii) Calculate the interquartile range for the completed set of data. (1)

Answer = %

(iii) Suggest **one** reason why fertility rates differ across Europe. (3)

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(c) Explain **two** reasons why different local community groups may have contrasting views about changes to the built environment.

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(e) Assess the reasons why segregation can affect the successful management of change in urban communities.

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(Total for Question 5 = 28 marks)



- 6 A student collected fieldwork data using an index of ethnic diversity to measure how this changed with distance from the centre of Birmingham.

Study Figure 6 below, which shows a partly completed Spearman's rank correlation coefficient test.

- (a) (i) Complete the statistical test by filling in the table below.

(2)

Distance from Birmingham CBD (m)	Rank distance	Index of ethnic diversity score (1-5; higher = more diverse)	Rank ethnic diversity	Difference between ranks (d)	d ²
500	1	4.5	2.5	1.5	2.25
1000	2	5	1	1	1
1500	3	4.5	2.5	0.5	0.25
2000	4	4	4	0	0
2500	5	2	7	2	4
3000	6	2.5	6	0	0
3500	7	3	5		
4000	8	1.5	8.5	0.5	0.25
4500	9	1.0	10	1	1
5000	10	1.5	8.5	1.5	2.25
				$\Sigma d^2 =$	

Figure 6

- (ii) The student determined that there was a strong **negative correlation** between ethnic diversity and distance from the centre of Birmingham.

Explain what is meant by a negative correlation.

(1)



(iii) Give **two** possible reasons for the relationship between ethnic diversity and distance from the centre of Birmingham.

(2)

1

2

(b) Explain **one** advantage and **one** disadvantage of using oral accounts in fieldwork.

(4)

Advantage

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Disadvantage

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Use your knowledge and understanding from across the course of study, along with the information in Figure 7, to answer this question.

7 Study Figure 7 in the Resource Booklet.

The creation of Special Economic Zones produces winners and losers.

Evaluate the view that the government decision to extend the Special Economic Zone will be good for all the people of Manaus and Amazonas.

(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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