

Write your name here

Surname

Other names

Pearson Edexcel

Level 1/Level 2

GCSE (9–1)

Centre Number

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Candidate Number

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Geography A

Paper 2: The Human Environment

Sample assessment material for first teaching
September 2016

Time: 1 hour 30 minutes

Paper Reference

1GA0/02

You must have:

Resource book, 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.
- In Section A and Section B answer all questions.
- In Section C answer all of question 3 and **one** question from questions 4 and 5.
- Answer the questions in the spaces provided
– *there may be more space than you need.*
- You must **show all your working out** with **your answer clearly identified** at the **end of your solution**.

Information

- The total mark for this paper is 94.
- The marks for **each** question are shown in brackets
– *use this as a guide as to how much time to spend on each question.*
- Questions labelled with an **asterisk** (*) are questions where the quality of your written communication will be assessed
– *you should take particular care on these questions with your spelling, punctuation, grammar and use of specialist terminology and grammar, as well as the clarity of expression.*
- The marks available for spelling, punctuation, grammar and specialist terminology are clearly indicated.

Advice

- 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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SECTION A

Changing Cities

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 ☒.

- 1** The causes and effects of urbanisation can vary between countries at different levels of development.

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

Identify the country with the most urban areas.

(1)

- ☐ **A** Germany
- ☐ **B** Portugal
- ☐ **C** Republic of Ireland
- ☐ **D** Sweden

(b) (i) Define the term urbanisation.

(1)

(ii) State **one** global trend in urbanisation over the past 50 years.

(1)

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

(i) Identify two pieces of evidence that show this area has experienced deindustrialisation.

(2)

Evidence 1

Evidence 2

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(ii) Define the term deindustrialisation.

(1)

(iii) State one social impact of deindustrialisation.

(1)

(iv) Using just the photograph in Figure 1b to investigate deindustrialisation would be limiting.

Give **three** changes that could be made to this investigation that would help prove that other areas have been affected by deindustrialisation.

(3)

Analyse Figure 1c in the Resource Booklet.

(d) (i) Identify the urban area that received the most migrants from London.

(1)

- ☐ **A** Manchester
- ☐ **B** Newcastle
- ☐ **C** Norwich
- ☐ **D** Southend

(ii) State two possible impacts on London of the migration pattern shown in Figure 1c.

(2)

1

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2

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Study Figure 1d, the Ordnance Survey (OS) map extract in the Resource Booklet.

(e) (i) What is the four-figure grid reference for the central business district (CBD) in the city of York?

(1)

☐ **A** 5953

☐ **B** 6050

☐ **C** 6051

☐ **D** 6251

(ii) State the distance, along the B1224, between the roundabout at 559515 and the church with spire at 528515.

(1)

..... km

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(iii) Suburbanisation has taken place in many UK cities.

Woodthorpe is a suburb of York in grid square 5749.

Suggest **two** reasons why suburbanisation has taken place in this area.

(4)

1

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(f) Explain **one** impact on the Central Business District (CBD) of recent changes in retailing.

(3)

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- (g) You have studied a major UK city and a major city in a developing or emerging country.

Evaluate which of these cities have been most successful in improving the quality of life for its people.

(8)

(Total for Question 1 = 30 marks)

TOTAL FOR SECTION A = 30 MARKS

SECTION B

Global Development

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 ☒.

2 The characteristics and reasons for development vary around the world.

(a) Study Figure 2a in the Resource Booklet.

(i) Define the term GDP (Gross Domestic Product)

(1)

(ii) Calculate the percentage increase in GDP for India between 2000 and 2014.

(1)

☐ **A** 100%

☐ **B** 150%

☐ **C** 300%

☐ **D** 400%

(iii) Calculate the mean GDP for the countries on Figure 2a in 2014.

Answer to one decimal place.

Show your workings in the space below.

(2)

..... US\$ billion

(iv) State two components that form part of the Human Development Index (HDI). (2)

1

2

Study Figure 2b in the Resource Booklet.

(b) The following statements describe different types of development project.

Identify the **two** statements which describe the type of project shown in Figure 2b. (2)

- ☐ **A** The project relies on intermediate technology
- ☐ **B** Local people are responsible for designing the project
- ☐ **C** Large amounts of money are borrowed to pay for the project
- ☐ **D** The project has limited environmental impact
- ☐ **E** The project brings national prestige to the country

(c) Top down projects are often controversial.

(i) Explain **one** advantage and **one** disadvantage of top-down development projects in the promotion of development. (4)

Advantage

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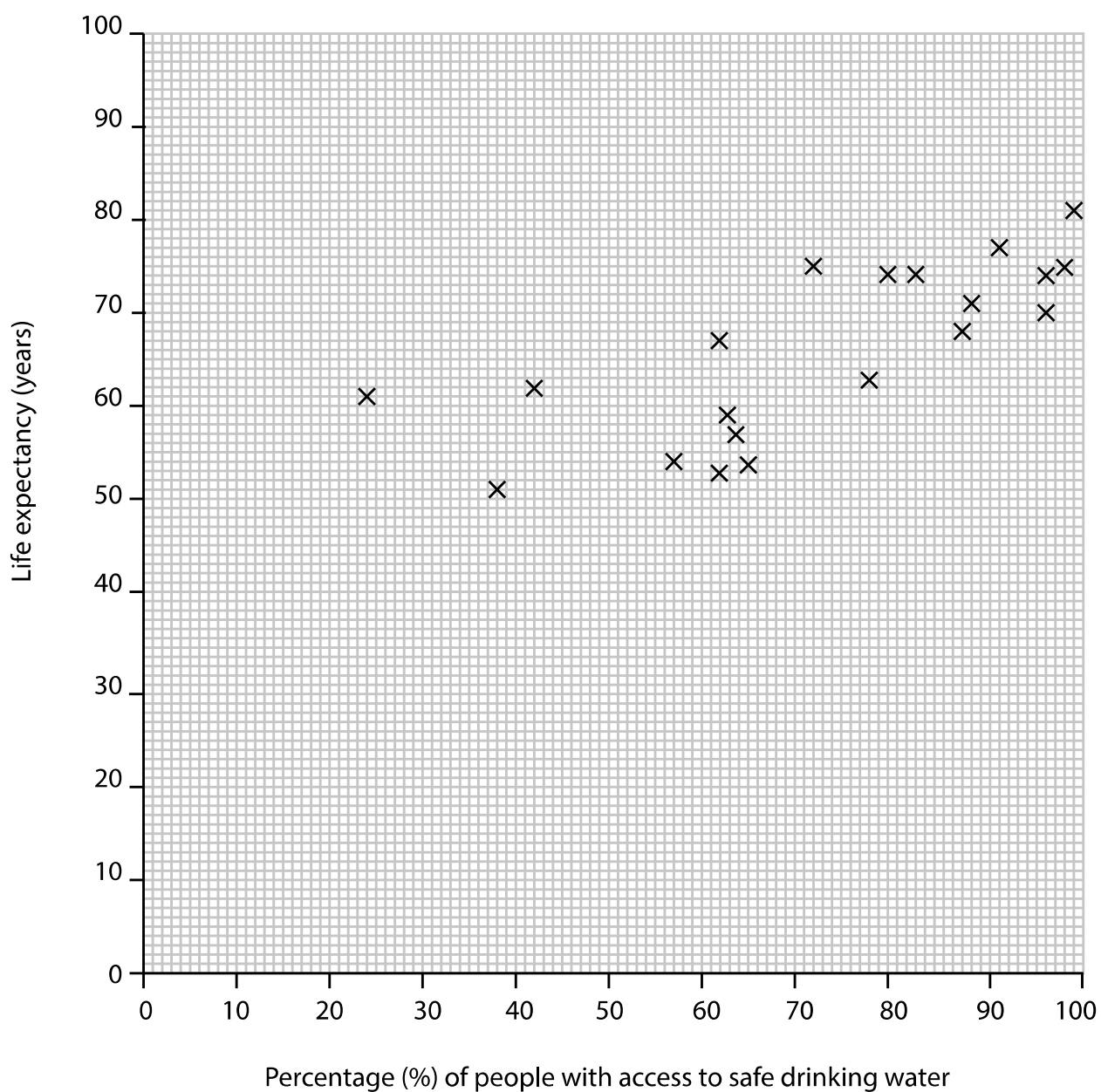
Disadvantage

- (iii) One form of information that could be used to investigate the impact is websites.

Describe **one** technique that could be chosen to process this information.

(2)

(d) Study Figure A below.



(Source: Nationmaster)

Figure A

Life expectancy and access to safe drinking water in selected countries

- (i) Plot the data for Cambodia and Mozambique given in the table below on Figure A.

(2)

Country	Life expectancy (years)	Percentage (%) of people with access to safe drinking water
Cambodia	70	30
Mozambique	50	57

- (ii) Draw a best fit line on Figure A.

(1)

- (iii) Give **one** reason for the relationship shown in Figure A.

(1)

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- (e) For a named developing or emerging country, explain **two** reasons the population structure has changed in the last 30 years.

(4)

Named country

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(f) Assess the social and economic impacts of private investment by TNCs in a named developing/emerging country.

(8)

Named country

(Total for Question 2 = 30 marks)

TOTAL FOR SECTION B = 30 MARKS

SECTION C

Resource Management

Answer **all** parts of question 3. 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 ☒.

3 The distribution and demand for natural resources varies around the world.

(a) Fish are a biotic resource. Name **two** other biotic resources.

(2)

1

2

(b) Study Figure 3 in the Resource Booklet.

(i) Identify the percentage of stock that was overfished in 2011.

(1)

☐ **A** 28%

☐ **B** 58%

☐ **C** 78%

☐ **D** 98%

(ii) Calculate the difference between the percentage of total stock underfished between 1974 and 2011.

(1)

..... %

(iii) Suggest **one** reason for the trend in the percentage of stocks underfished shown in Figure 3.

(2)

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(iv) Suggest **two** ways the trends shown in Figure 3 would impact on this environment.

(4)

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(Total for Question 3 = 10 marks)

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Answer only one question from Question 4 (Energy Resource Management) and Question 5 (Water Resource Management).

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 ☒.

Chosen question number: **Question 4** ☐ **Question 5** ☐

Spelling, punctuation and grammar will be assessed in 4 (e)

4 The development, production and consumption of different energy resources needs to be managed carefully.

(a) Identify the renewable energy resource.

(1)

☐ **A** natural gas

☐ **B** coal

☐ **C** the sun

☐ **D** oil

Study Figure 4 in the Resource Booklet.

(b) (i) Calculate the increase in **onshore** wind power generation between 2000 and 2010.

(1)

..... MW

(ii) Calculate the percentage of total wind power that was from offshore generation in 2010.

(1)

..... %

(iii) Identify the total wind power generated in 2015 if the trend shown on Figure 4 continued.

(1)

- ☐ **A** 8 000
- ☐ **B** 12 000
- ☐ **C** 16 000
- ☐ **D** 20 000

(iv) Suggest **one** reason for the trend between 2000 and 2010 in Figure 4.

(2)

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(c) Explain **one** reason why energy consumption per person has increased in the last 100 years.

(2)

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(d) Explain **one** reason why non-renewable energy resources need to be managed.

(4)

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In this question, 4 of the marks awarded will be for your spelling, punctuation and grammar and your use of specialist terminology.

*(e) Assess the impacts on people of developing non-renewable and renewable energy resources.

(12)

(Total for Question 4 = 24 marks)

TOTAL FOR SECTION C = 34 MARKS

Spelling, punctuation and grammar will be assessed in 5 (e)

- 5** The development, production and consumption of different water resources needs to be managed carefully.

(a) Identify the percentage of the Earth's water that is fresh water.

(1)

- ☐ **A** 3%
- ☐ **B** 40%
- ☐ **C** 60%
- ☐ **D** 97%

Study Figure 5 in the Resource Booklet.

(b) (i) Calculate the increase in water use between 1950 and 2010.

(1)

..... million acre-feet

(ii) Calculate water use as a percentage of water supply in 1986.

(1)

..... %

(iii) Identify the total water use in 2020 if the trend shown on Figure 5 continued.

(1)

- ☐ **A** 11.5
- ☐ **B** 13
- ☐ **C** 14.5
- ☐ **D** 18

(iv) Suggest **one** reason for the changes in water supply between 1950 and 2010 on Figure 5.

(2)

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(c) Explain **one** reason why water availability has decreased in the last 50 years.

(2)

(d) Explain why water resources need to be managed.

(4)

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In this question, 4 of the marks awarded will be for your spelling, punctuation and grammar and your use of specialist terminology.

- *(e) Assess the importance of annual rainfall for the water supply of countries at different levels of development.

(12)

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(Total for Question 5 = 24 marks)

TOTAL FOR SECTION C = 34 MARKS
TOTAL FOR QUESTION PAPER = 94 MARKS

