

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Pearson Edexcel
International
Advanced Level

Centre Number

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Candidate Number

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Wednesday 9 January 2019

Afternoon (Time: 1 hour 30 minutes)

Paper Reference **WGE02/01**

Geography

International Advanced Subsidiary

Paper 2: Geographical Investigations

You must have:

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 Sections A and B.
- In Section C answer **EITHER** Question 4 **OR** Question 5.
- 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 60.
- 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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SECTION A
CROWDED COASTS

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

1 Study Figure 1 in the Resource Booklet.

(a) (i) Identify landforms A and B on Figure 1.

(2)

A

B

(ii) Explain **one** weathering process that affects the landforms shown in Figure 1.

(2)

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URBAN PROBLEMS, PLANNING AND REGENERATION

2 Study Figure 2 in the Resource Booklet.

(a) (i) Identify the city with

(2)

pollution levels always above the World Health Organisation (WHO) recommended maximum

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the largest daily variation in pollution levels.

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(ii) Explain **one** planning solution which aims to reduce air pollution in cities.

(2)

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SECTION B

COMPULSORY FIELDWORK SECTION

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

3 You have undertaken geography fieldwork as part of the course.

Use this experience to answer Question 3.

State the title or question of your geographical investigation:

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(a) Explain why this title or question was suitable for your geographical investigation.

(4)

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(b) Explain **one** way that secondary research was used in your geographical investigation.

(2)

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(c) Explain how you collected the primary data for your geographical investigation.

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(d) Evaluate the advantages and disadvantages of the presentation and analysis methods used in your geographical investigation.

(12)

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(Total for Question 3 = 24 marks)

TOTAL FOR SECTION B = 24 MARKS



SECTION C

GEOGRAPHICAL FIELDWORK AND SKILLS

Answer ONE question in this section – EITHER Question 4 OR Question 5.

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 ☒.

Investigating Crowded Coasts

If you answer Question 4 put a cross in the box ☒ .

4 Study Figure 3a in the Resource Booklet.

A group of students studied a mangrove forest as part of a wider study of coastal ecosystems.

They started their investigation by gathering research information (Figure 3a) about the mangrove ecosystem.

(a) (i) Describe how they might use the information in Figure 3a to help plan their geographical investigation.

(4)

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(ii) Explain **one** disadvantage of using social media as a source of information for this geographical investigation.

(2)

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(b) Study Figure 3b in the Resource Booklet.

Another group of students carried out a vegetation transect to record the changes across a salt marsh.

(i) Calculate the range for Sea Purslane.

(1)

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(ii) Calculate the mean percentage cover of plants at site 7.

(1)

.....

(iii) Identify the type of sampling the students used.

(1)

<input type="checkbox"/>	A Systematic
<input type="checkbox"/>	B Stratified
<input type="checkbox"/>	C Random
<input type="checkbox"/>	D Regular

(c) Study Figure 3c in the Resource Booklet.

Explain **one** advantage of presenting their data using this technique.

(3)

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(Total for Question 4 = 12 marks)



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 ☒.

Investigating Urban Problems, Planning and Regeneration

If you answer Question 5 put a cross in the box ☒ .

5 Study Figure 4a in the Resource Booklet.

A group of students studied local traffic as part of a wider study into the impacts of transport problems.

They started their investigation by gathering research information (Figure 4a) about transport and traffic.

(a) (i) Describe how they might use the information in Figure 4a to help plan their geographical investigation.

(4)

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(ii) Explain **one** disadvantage of using social media as a source of information for this geographical investigation.

(2)

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(b) Study Figure 4b in the Resource Booklet.

Another group of students carried out a traffic transect to record the changes across a city.

(i) Calculate the range for Light Goods Vehicle (LGV).

(1)

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(ii) Calculate the mean vehicle count at site 7.

(1)

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(iii) Identify the type of sampling the students used.

(1)

<input type="checkbox"/>	A Systematic
<input type="checkbox"/>	B Stratified
<input type="checkbox"/>	C Random
<input type="checkbox"/>	D Regular

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(c) Study Figure 4c in the Resource Booklet.

Explain **one** advantage of presenting their data using this technique.

(3)

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(Total for Question 5 = 12 marks)

TOTAL FOR SECTION C = 12 MARKS
TOTAL FOR PAPER = 60 MARKS

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