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Write your name here

Surname	Other names

Pearson Edexcel
International Advanced Level

Centre Number | | | | | |

Candidate Number | | | | |

Geography

International Advanced Subsidiary
Paper 2: Geographical Investigations

Friday 19 May 2017 – Afternoon
Time: 1 hour 30 minutes

Paper Reference
WGE02/01

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.

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

(2)

A .....

B .....

(ii) Explain **one** way constructive waves cause gently sloping beach profiles.

(2)

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(b) Examine the importance of geology in the development of coastal landscapes.

(8)

(Total for Question 1 = 12 marks)

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URBAN PROBLEMS, PLANNING AND REGENERATION

2 Study Figure 2.

(a) (i) Using evidence, state **two** problems experienced by these people in Dhaka.

(2)

1 .....

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2 .....

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(ii) Explain **one** way traffic congestion impacts on human wellbeing in cities such as Dhaka.

(2)

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(b) Assess how far urban regeneration can be environmentally and economically sustainable.

(8)

(Total for Question 2 = 12 marks)

TOTAL FOR SECTION A = 24 MARKS

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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 your course.

Use this experience to answer Question 3.

State the title or question of your fieldwork investigation:

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(a) Explain how you managed **one** risk associated with your fieldwork investigation.

(2)

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(b) Explain how you used **two** qualitative techniques as part of your primary data collection.

(4)

1 .....

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(c) Explain how you used secondary data to support your fieldwork investigation.

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(d) Evaluate the success of your primary fieldwork design and data collection methods.

(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 (a) Study Figure 3a.

A group of students studied attitudes towards management strategies as part of a wider study into coastal management.

They presented some of their results using graphs. Figure 3a is an example of one of the students' graphs.

(i) Identify **two** problems with the students' data presentation method.

(2)

1 .....

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2 .....

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(ii) Other than data presentation, explain **one** way the students might use ICT as part of data analysis.

(2)

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The students visited only one short stretch of coast to investigate management strategies.

(iii) Explain **one** way this could have influenced the reliability of their investigation.

(3)

(b) Study Figure 3b. This information formed part of the students' secondary research.

(i) Calculate the mean typical cost per metre of sea defences.

(1)

☒	**A** 3800
☒	**B** 4600
☒	**C** 5200
☒	**D** 6800

(ii) Identify the option that has the largest cost range per metre.

(1)

(iii) Explain **one** limitation of using the secondary data in Figure 3b.

(3)

(Total for Question 4 = 12 marks)

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Investigating Urban Problems, Planning and Regeneration

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

5 (a) Study Figure 4a.

A group of students studied attitudes towards regeneration strategies as part of a wider study into urban regeneration.

They presented some of their results using graphs. Figure 4a is an example of one of the students' graphs.

(i) Identify **two** problems with the students' data presentation method.

(2)

1 .....

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2 .....

.....

(ii) Other than data presentation, explain **one** way the students might use ICT as part of data analysis.

(2)

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The students visited only one small part of the urban area to investigate regeneration strategies.

(iii) Explain **one** way this could have influenced the reliability of their investigation.

(3)

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(b) Study Figure 4b. This information formed part of the students' secondary research.

(i) Calculate the mean economic benefit for sporting events.

(1)

☒	**A** 125
☒	**B** 155
☒	**C** 160
☒	**D** 170

(ii) Identify the event that has the largest range of economic benefits.

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(1)

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(iii) Explain **one** limitation of using the secondary data in Figure 4b.

(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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Pearson Edexcel
International Advanced Level

Geography
International Advanced Subsidiary
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WGE02/01

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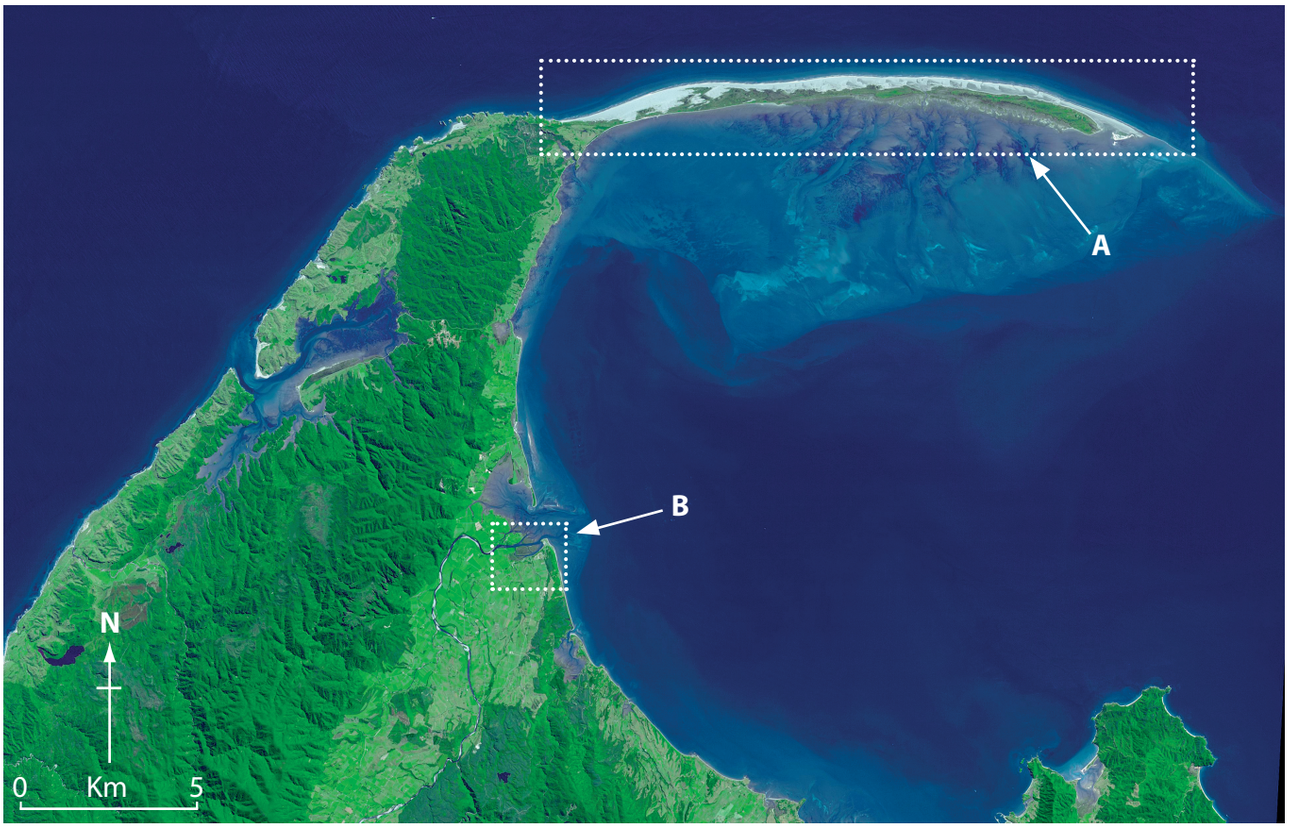

Figure 1

A satellite image of New Zealand's South Island

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Figure 2

People living in central Dhaka, a major city in Bangladesh

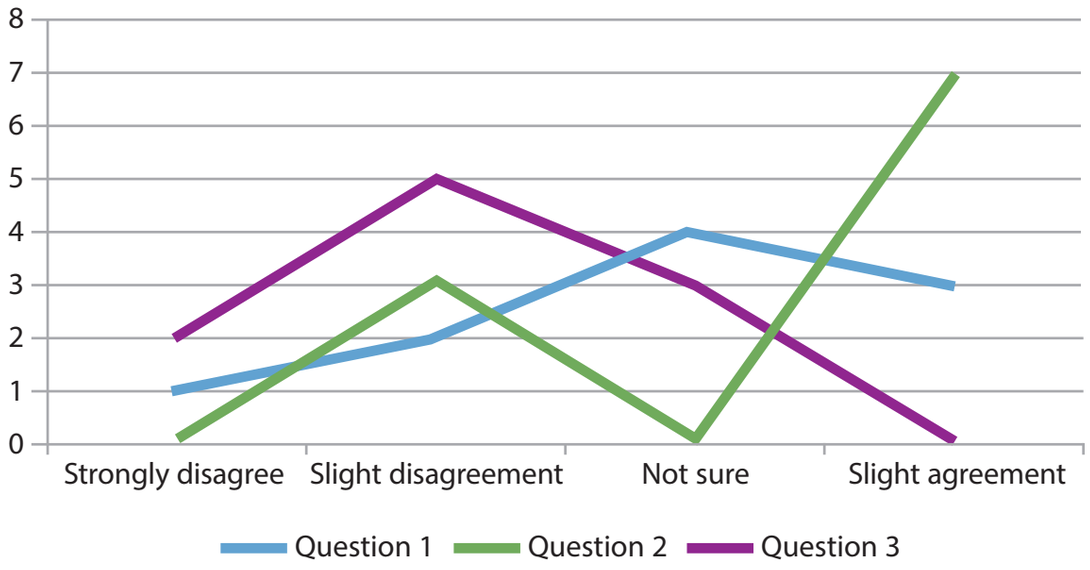

Figure 3a

A student's graph showing some results from their questionnaire survey

Option	Building costs	Maintenance costs	Cost range per metre (£)	Typical cost per metre (£)
Offshore breakwater	High	Medium	3700–7300	6800
Groynes	Medium	Medium	1600–4700	2900
Rip rap	Medium	Low	700–3500	1500
Sea walls	High	Low	2050–9400	7200

Figure 3b

UK secondary research data (2010) on costs of coastal management options

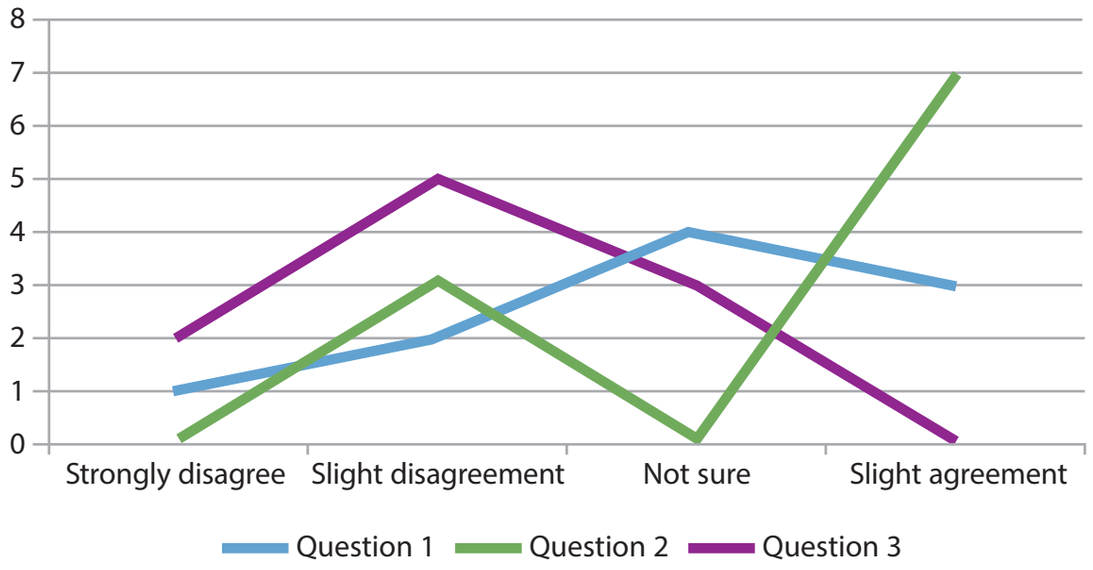

Figure 4a

A student's graph showing some results from their questionnaire survey

Event	Sport, Location	Organising expenditure	Economic benefits range millions ($)	Typical economic benefits millions ($)
ATP World Masters	Golf, USA	Low	175–245	200
Tour de France	Cycling, France	Medium	180–328	250
IAAF World Athletics	Athletics, Germany	Medium	45–97	86
FIFA World Cup	Football, South Africa	High	72–97	84

Figure 4b

Secondary research data (2010) on economic benefit of regeneration involving sporting events

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