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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 | Paper Reference |
| Time: 1 hour 30 minutes | 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)

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(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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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:

.....
.....

(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)

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

(6)

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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)

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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)

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(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)

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|--------------------------|---------------|
| <input type="checkbox"/> | A 3800 |
| <input type="checkbox"/> | B 4600 |
| <input type="checkbox"/> | C 5200 |
| <input type="checkbox"/> | D 6800 |

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

(1)

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

(3)

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(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

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)

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|--------------------------|--------------|
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| <input type="checkbox"/> | B 155 |
| <input type="checkbox"/> | C 160 |
| <input type="checkbox"/> | D 170 |

(ii) Identify the event that has the largest range of economic benefits. (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
Paper 2: Geographical Investigations**

Friday 19 May 2017 – Afternoon
Resource Booklet

Paper Reference

WGE02/01

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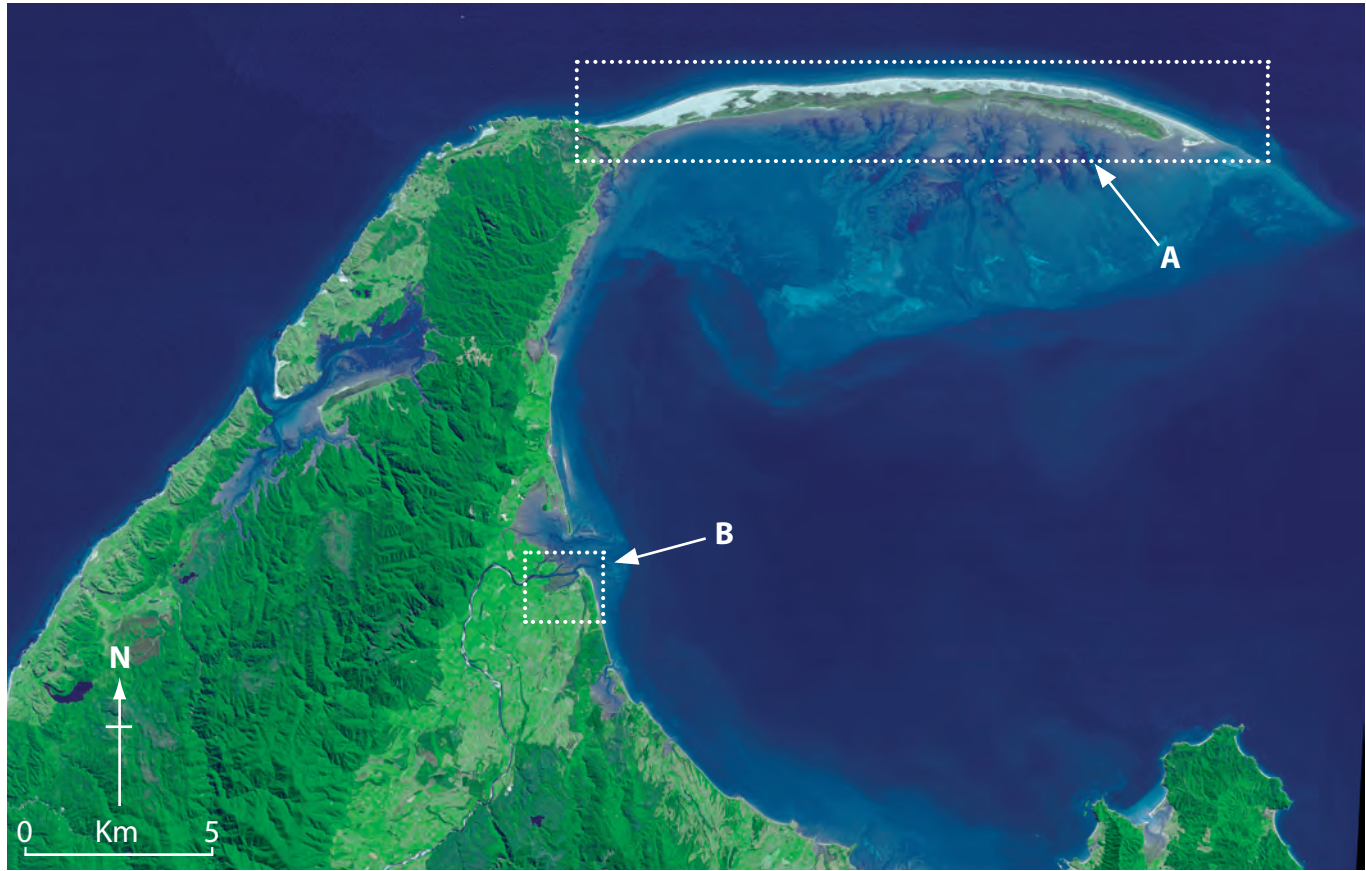


Figure 1

A satellite image of New Zealand's South Island





Figure 2

People living in central Dhaka, a major city in Bangladesh

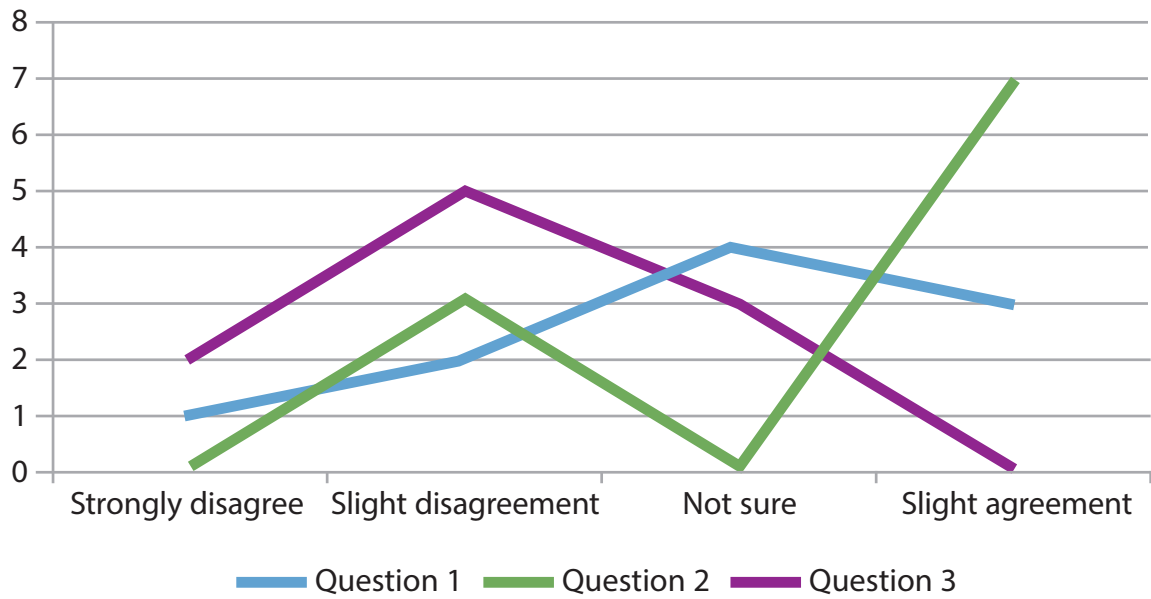


Figure 3a

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

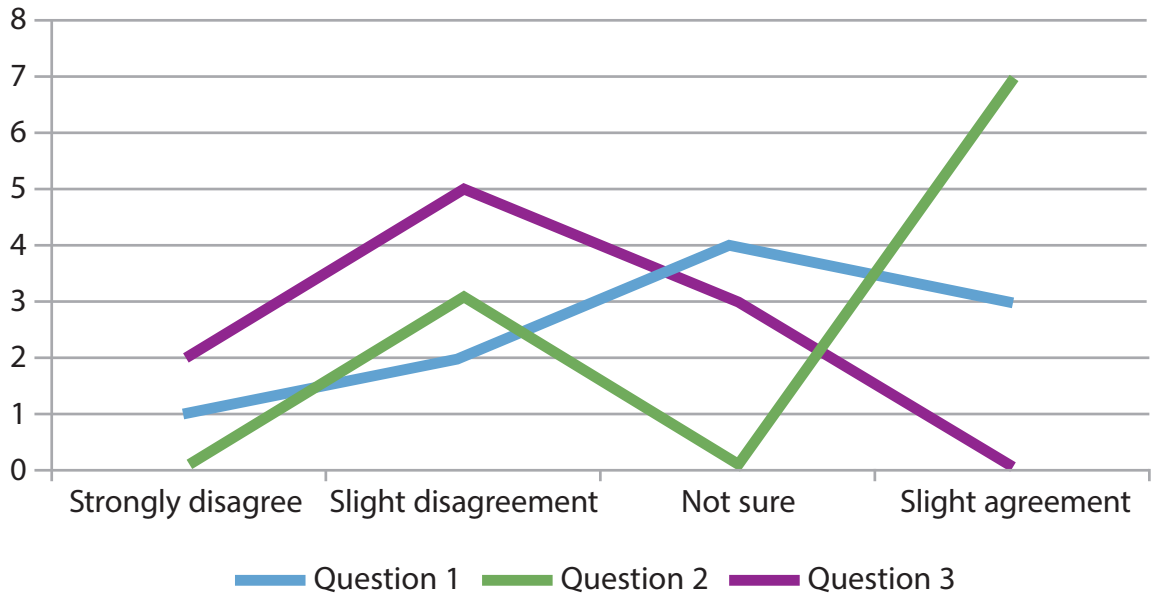


Figure 4a

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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