Please check the examination details below before entering your candidate information

Candidate surname	Other names

Centre Number | Candidate Number

Pearson Edexcel International Advanced Level

Monday 20 May 2024

Morning (Time: 1 hour 30 minutes)

Paper reference **WGE02/01**

Geography

International Advanced Subsidiary
UNIT 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 and **ONE** question in Section C.
- Answer the questions in the spaces provided
  – *there may be more space than you need.*

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.*
- Calculators may be used.

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

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

Crowded Coasts

1 Study Figure 1 in the Resource Booklet.

(a) (i) Identify the landforms labelled.

(2)

A .....

B .....

(ii) Explain **one** process that has resulted in the formation of the delta shown.

(2)

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(b) Examine the costs and benefits of coastal land reclamation and building artificial islands.

(8)

(Total for Question 1 = 12 marks)

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Urban Problems, Planning and Regeneration

2 Study Figure 2 in the Resource Booklet.

(a) (i) Identify **two** different sources of air pollution shown in the photograph.

(2)

1 .....

2 .....

(ii) Explain **one** solution planners use to reduce urban air pollution.

(2)

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(b) Assess the success of planned 'ideal' new towns and cities in minimising social and environmental problems.

(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. 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 fieldwork investigation.

(a) Explain how **one** idea, model or theory helped you decide on the title of your fieldwork investigation.

(3)

(b) Explain why the location you selected was suitable for your fieldwork investigation.

(3)

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(c) Explain how you analysed the data you collected.

(6)

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(d) Evaluate the success of the primary data collection methods you used.

(12)

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(Total for Question 3 = 24 marks)

TOTAL FOR SECTION B = 24 MARKS

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SECTION C

Geographical Fieldwork and Skills

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

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 ☒.

Write your answers in the spaces provided.

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

Investigating Crowded Coasts

4 (a) Study Figure 3a in the Resource Booklet.

A group of students carried out a questionnaire about management strategies as part of a wider study into the success of coastal management.

Their sampling procedure was to ask the opinions of 10 local people and 10 visitors.

They presented the results of one question on a graph, Figure 3a.

(i) Identify **two** problems with the students' data presentation in Figure 3a.

(2)

1 .....

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2 .....

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(ii) Explain why a bar chart is a more suitable presentation technique for this data.

(2)

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(iii) Explain **one** advantage of the sampling procedure the students used for their questionnaire.

(3)

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The students researched the costs of coastal management strategies.

Their results are shown in Figure 3b.

(b) Study Figure 3b below.

Coastal management strategy	Cost for 1 kilometre	Cost for 1 metre
Seawall	US$6 million	
Rip rap	US$1.5 million	$1500
Beach nourishment	US$10,000	$10

Figure 3b

Costs of coastal management strategies

(i) Calculate the cost for 1 metre of this sea wall.

(1)

US$ .....

(ii) Calculate the cost of 0.5 kilometres of beach nourishment.

(1)

US$ .....

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(c) Explain **one** way these students could use GIS in this fieldwork investigation.

(3)

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(Total for Question 4 = 12 marks)

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Do not answer Question 5 if you have answered Question 4.

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

Investigating Urban Problems, Planning and Regeneration

5 (a) Study Figure 4a in the Resource Booklet.

A group of students carried out a questionnaire about regeneration of a run-down area as part of a wider study into the success of urban management.

Their sampling procedure was to ask the opinions of 10 local people and 10 visitors.

They presented the results of one question on a graph, Figure 4a.

(i) Identify **two** problems with the students' data presentation in Figure 4a.

(2)

1 .....

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2 .....

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(ii) Explain why a bar chart is a more suitable presentation technique for this data.

(2)

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(iii) Explain **one** advantage of the sampling procedure the students used for their questionnaire.

(3)

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The students researched the costs of urban regeneration strategies.

Their results are shown in Figure 4b.

(b) Study Figure 4b below.

Urban regeneration strategy	Cost for 1 kilometre	Cost for 1 metre
Water feature	US$6 million	
Pavement	US$1.5 million	$1500
Flower beds	US$10,000	$10

Figure 4b

Costs of regeneration for a run-down urban area

(i) Calculate the cost for 1 metre of this water feature.

(1)

US$ .....

(ii) Calculate the cost of 0.5 kilometres of flower beds.

(1)

US$ .....

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(c) Explain **one** way these students could use GIS in this fieldwork investigation.

(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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Geography

International Advanced Subsidiary

UNIT 2: Geographical Investigations

Resource Booklet

Do not return this Booklet with the question paper.

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SECTION A

This resource relates to Question 1.

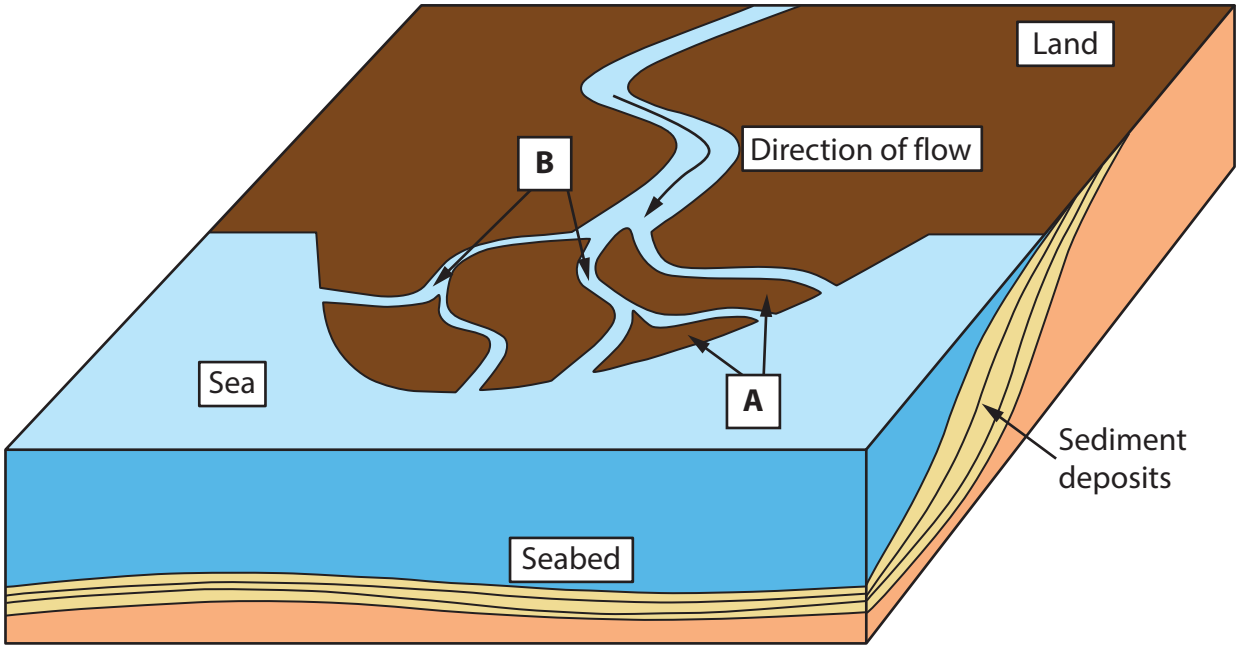


Figure 1

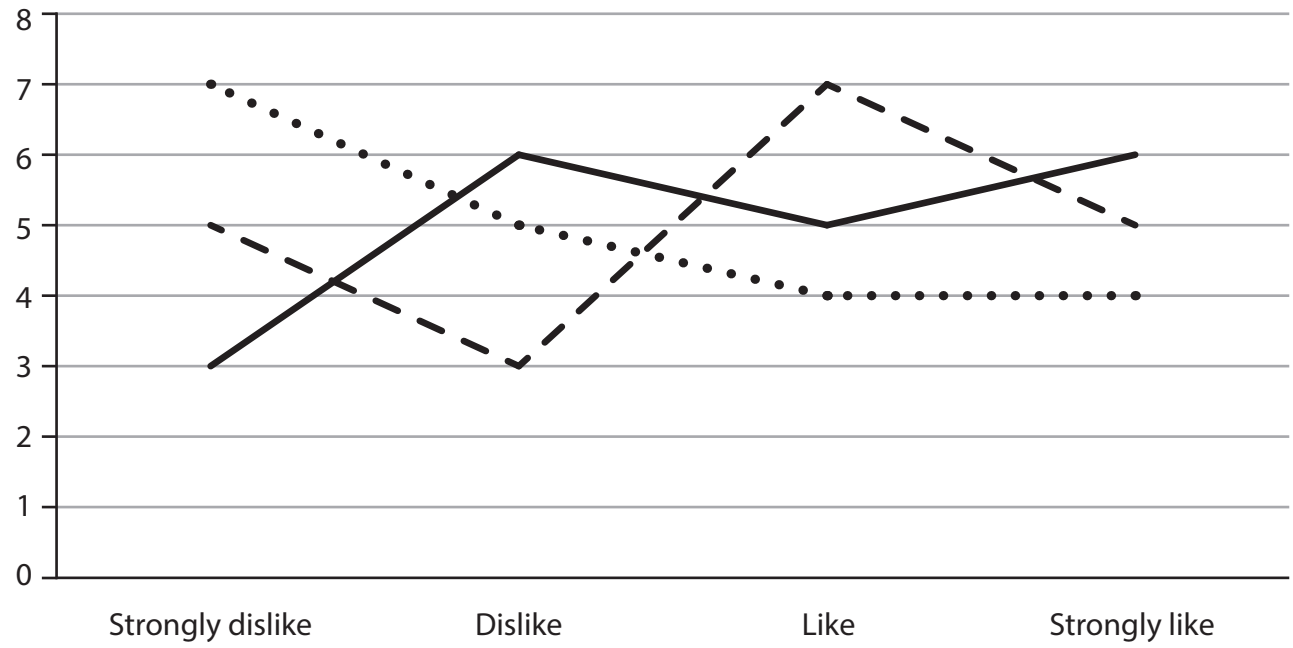
A coastal river delta

This resource relates to Question 2.

Figure 2

Urban landscape in Taranto, Italy

This resource relates to Question 4.



Key

Rip rap

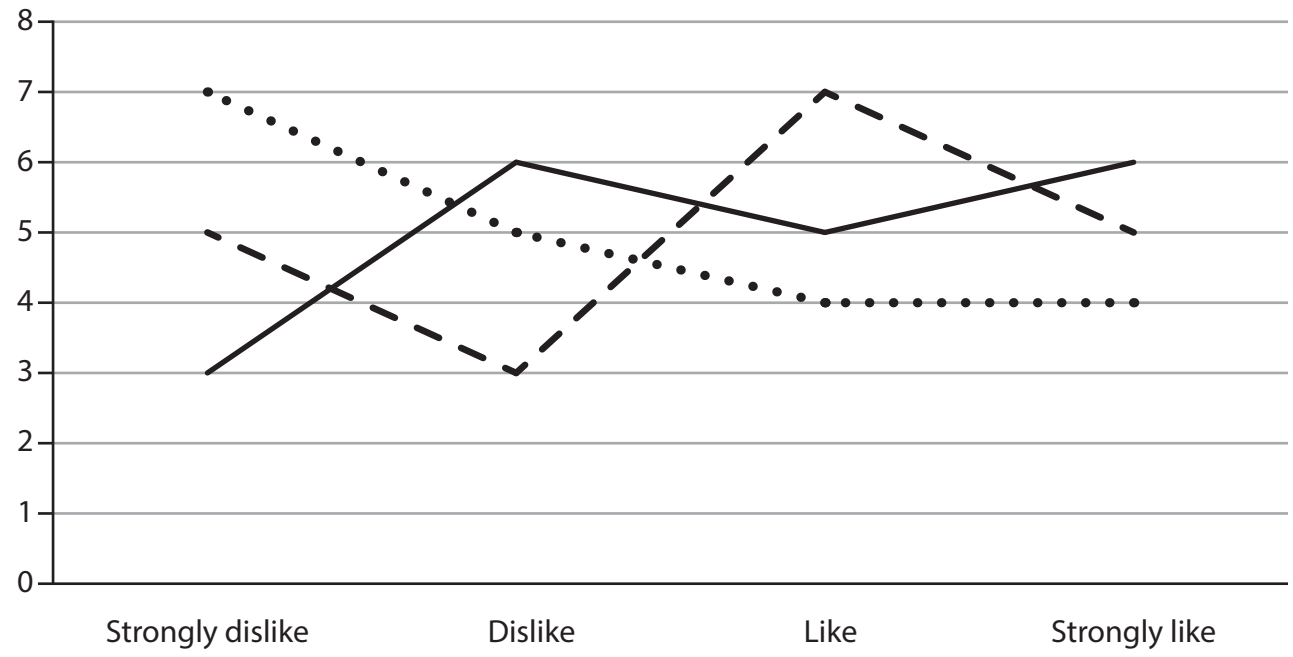
Seawall

Beach nourishment

Figure 3a

Opinions about coastal management strategies

This resource relates to Question 5.



Key

Pavement

Water feature

Flower beds

Figure 4a

Opinions about urban regeneration strategies

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Acknowledgements

Pearson Education Ltd gratefully acknowledges all following sources used in preparation of this paper:

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Figure 2: © andrea sabbadini / Alamy Stock Photo