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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

Wednesday 10 January 2018 – 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.

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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 the parts of the littoral zone in Boxes A and B on Figure 1.

(2)

A .....

B .....

(ii) Explain how the process of attrition affects beach sediment.

(2)

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(b) Examine how the value of coastal ecosystem services is threatened by human activity.

(8)

(Total for Question 1 = 12 marks)

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URBAN PROBLEMS, PLANNING AND REGENERATION

2 Study Figure 2.

(a) (i) Identify **two** characteristics of the traffic flow data shown.

(2)

1 .....

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2 .....

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(ii) Explain **one** way in which a named infrastructure project has reduced urban transport problems.

(2)

Named infrastructure project .....

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(b) Assess the challenges of providing housing in rapidly growing urban areas.

(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 **one** geographical concept, theory or model, helped you develop the focus of your fieldwork investigation.

(3)

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(b) Explain how you used **one** quantitative data collection method in your fieldwork investigation.

(3)

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(c) Explain how you designed your fieldwork investigation to minimise data collection errors.

(6)

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(d) Evaluate the success of the techniques used to present and analyse your fieldwork and research data.

(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 group of students studied erosion risk as part of a study into managing coastal change.

They started their investigation by researching maps (Figure 3a) and photos (Figure 3b) of the area they intended to study.

(a) Study Figures 3a and 3b.

State **three** ways the students could use this information to help them plan their investigation.

(3)

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(b) Study Figure 3c.

The students used the recording sheet (Figure 3c) to investigate cliff stability and coastal erosion risk at different sites.

(i) Calculate the total number of recordings for the evidence of water in Figure 3c.

(1)

.....

(ii) Identify the modal class for the weathering results in Figure 3c.

(1)

- ☒ **A** Extremely weathered
- ☒ **B** Very weathered
- ☒ **C** Some weathering
- ☒ **D** Slightly weathered

(iii) Explain **two** ways in which the design of the recording sheet, shown in Figure 3c, could be improved.

(4)

1 .....

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2 .....

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(c) Explain **one** way that GIS can be used to help analyse the results from coastal fieldwork.

(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 group of students studied the impacts of a regeneration scheme as part of a study into urban regeneration.

They started their investigation by researching maps (Figure 4a) and photos (Figure 4b) of the area they intended to study.

(a) Study Figures 4a and 4b.

State **three** ways the students could use this information to help them plan their investigation.

(3)

1 .....

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2 .....

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3 .....

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(b) Study Figure 4c.

The students used the recording sheet (Figure 4c) as a way of measuring urban housing quality.

(i) Calculate the total number of recordings for the evidence of litter in Figure 4c.

(1)

.....

(ii) Identify the modal class for the building weathering results in Figure 4c.

(1)

☒ **A** Extremely weathered

☒ **B** Very weathered

☒ **C** Some weathering

☒ **D** Slightly weathered

(iii) Explain **two** ways in which the design of the recording sheet, shown in Figure 4c, could be improved.

(4)

1 .....

.....

.....

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2 .....

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(c) Explain **one** way that GIS can be used to help analyse the results from urban fieldwork.

(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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Resource Booklet

Paper Reference
WGE02/01

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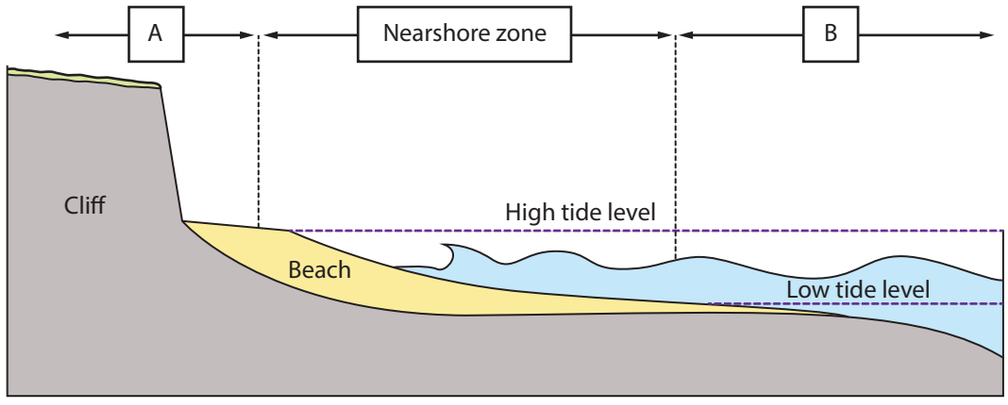


Figure 1

The coastal littoral zone

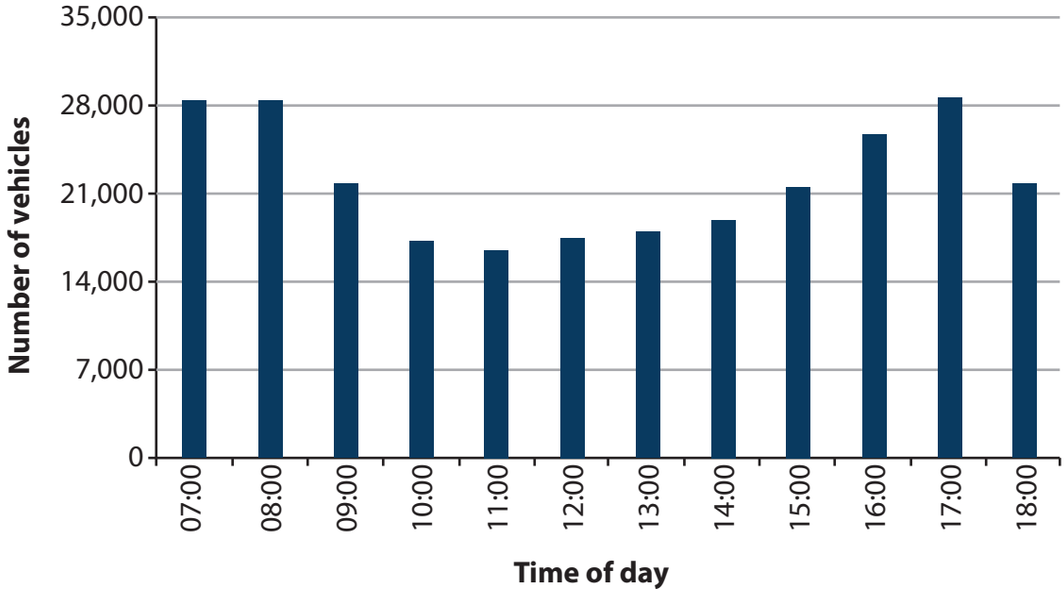


Figure 2

Traffic flow data for a city in North America between 07:00 and 18:00

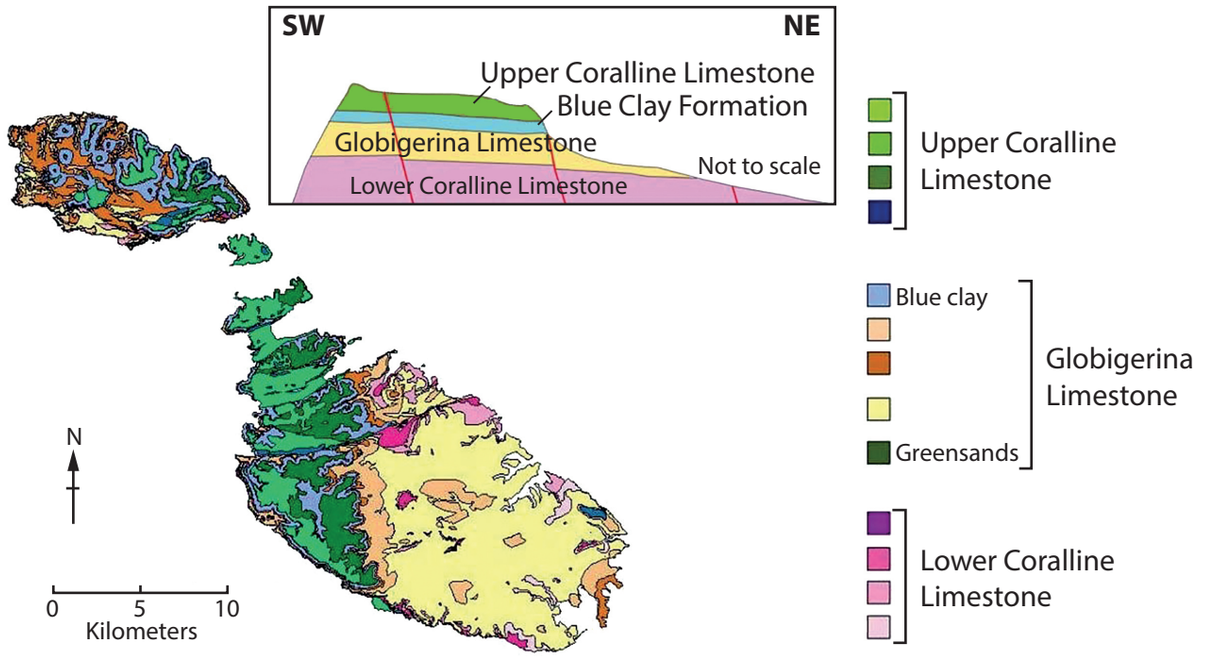


Figure 3a

A geology map and cross-section of Malta found online by the students during their planning



Figure 3b

A photograph of a coastline in Malta from a tourist website

Weathering	Extremely weathered	Very weathered	Some weathering	Slightly weathered	Not weathered	Total
Number recorded	4	9	11	7	3	**34**

Evidence of water	Flowing water	Wet	Very wet	Wetter	Dry	Total
Number recorded	12	9	13	2	2	**?**

Cliff height (metres)	>30	30-15	14-5	4-2	<2	Total
Number recorded	0	0	15	20	4	**39**

Figure 3c

Cliff survey recording sheet with results from group data

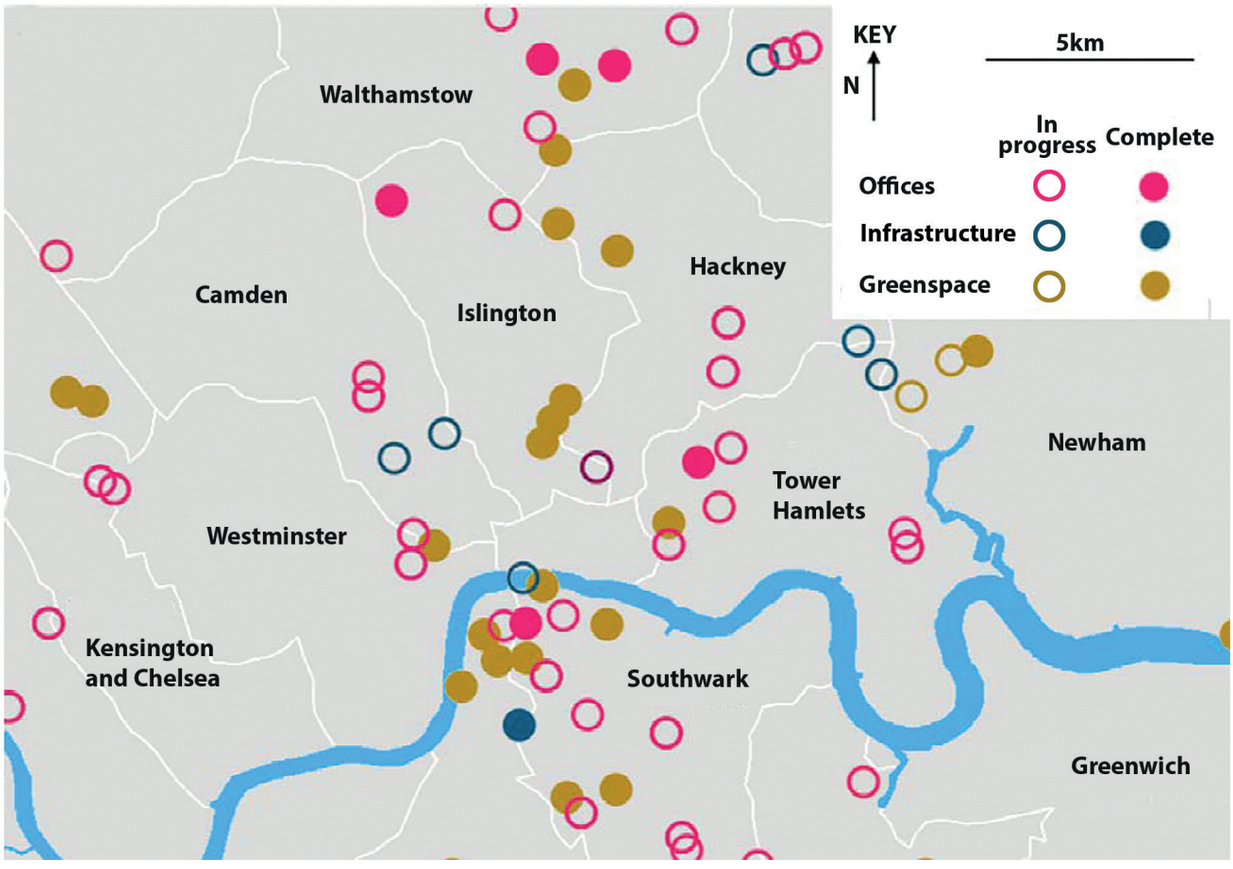


Figure 4a

A map extract of regeneration projects in London found online by the students during their planning



Figure 4b

A photograph of urban regeneration posted online by a tourist

Building weathering	Extremely weathered	Very weathered	Some weathering	Slightly weathered	Not weathered	Total
Number recorded	4	9	11	7	3	**34**

Amount of litter	Everywhere	Found in piles	Scattered	Very little	None	Total
Number recorded	12	9	13	2	2	**?**

Noise (descriptors)	Really loud	Very loud	Loud	Moderate	Quiet	Total
Number recorded	0	0	15	20	4	**39**

Figure 4c

Urban housing quality recording sheet with results from group data

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