Cambridge IGCSE

Cambridge Assessment International Education
Cambridge International General Certificate of Secondary Education (9–1)

GEOGRAPHY **0976/42**

Paper 4 Alternative to Coursework **October/November 2019**

INSERT

1 hour 30 minutes

READ THESE INSTRUCTIONS FIRST

The Insert contains Figs. 1.2, 1.3 and Table 1.1 for Question 1, and Figs. 2.1, 2.2, 2.3, 2.4 and 2.6 and Tables 2.2 and 2.3 for Question 2.

The Insert is **not** required by the Examiner.

This document consists of **10** printed pages and **2** blank pages.

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Fig. 1.2 for Question 1

Students' boundaries of CBD

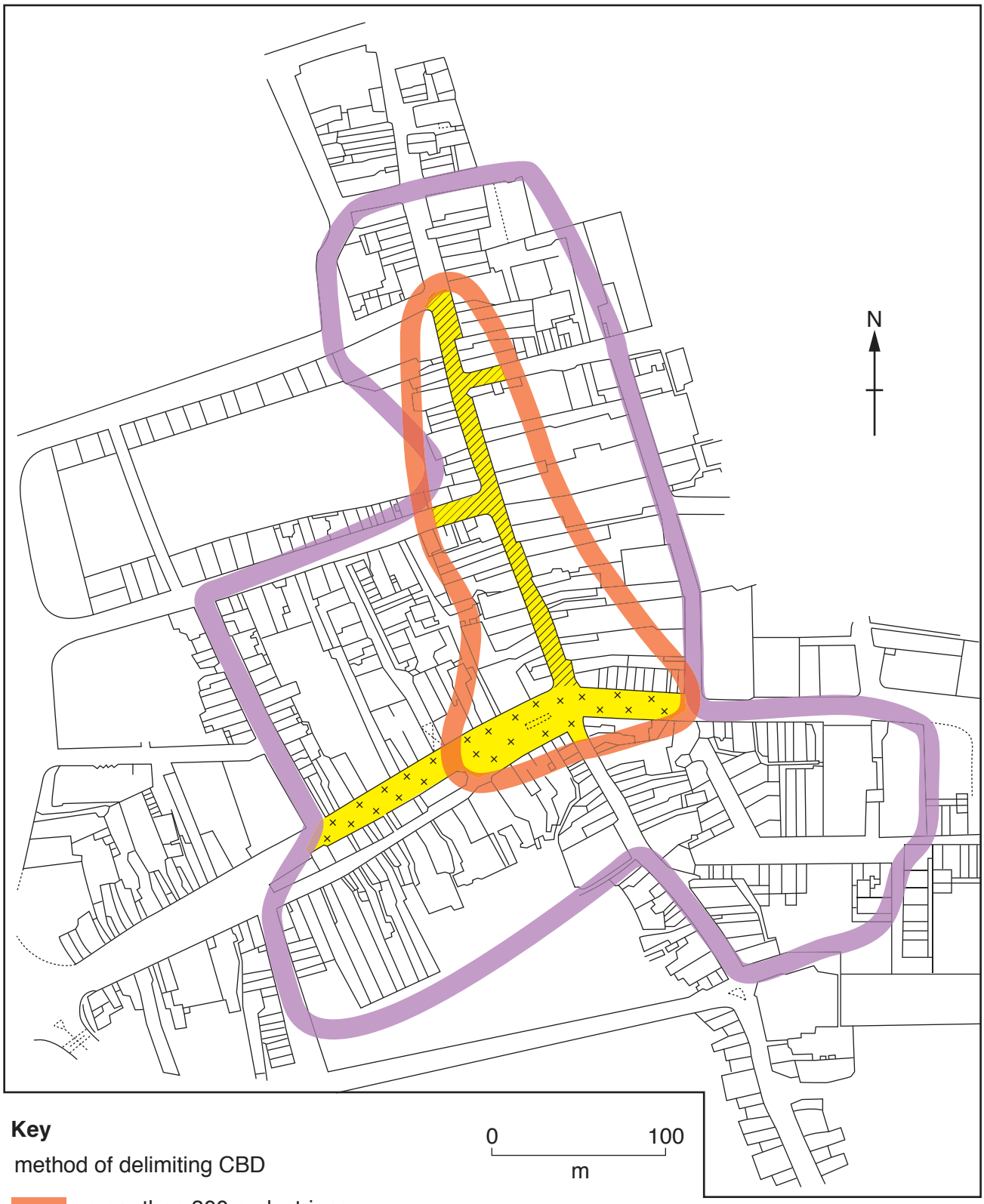

Fig. 1.3 for Question 1

Shopping environment index

Site number:

	Score					
	1	2	3	4	5	
Small local business						Large national business
Surrounded by houses and industry						Surrounded by shops and services
Low price goods and services						High price goods and services
Few people shopping						Many people shopping
Run-down shop exterior						Well maintained shop exterior
Busy traffic and no parking						Pedestrianised area

Total score =

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Table 1.1 for Question 1

Results of shopping environment survey

Site number	Total index score (maximum score = 30)
1	14
2	13
3	17
4	19
5	20
6	24
7	25
8	30
9	28
10	21
11	19
12	**17**

Fig. 2.1 for Question 2

Fieldwork area

Key

G groynes
R rock armour / rip rap

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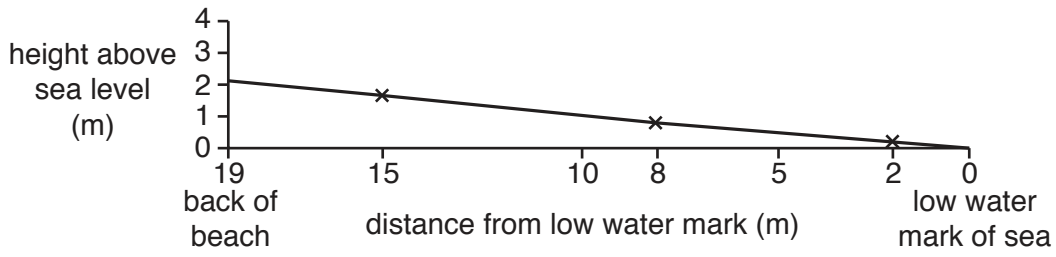
Fig. 2.2 for Question 2

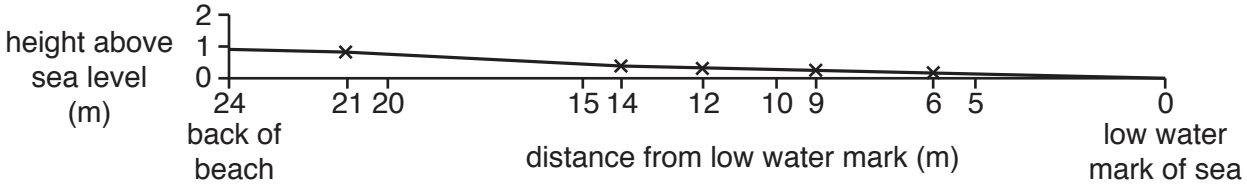
A student measures the beach profile

Fig. 2.3 for Question 2

Beach profile



Wave-cut platform profile



Key ×——× measured section of profile

Fig. 2.4 for Question 2

How to measure infiltration

1	Use a mallet to hammer a tube into the ground.
2	Pour water into the tube up to a height of 12 cm (120 mm).
3	Time for one minute.
4	Measure how many millimetres the water level in the tube has fallen.
5	Record the result and repeat the test twice more.

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Table 2.2 for Question 2

Results of infiltration measurements

	Decrease in water level in one minute (mm)							
		Beach				Wave-cut platform		
	Measuring point along profile	Measurement			Measuring point along profile	Measurement		
		1	2	3		1	2	3
Sea ↓ Cliff	A	30	42	**58**	A	0	6	3
	B	60	68	**85**	B	2	8	12
	C	75	94	90	C	5	2	2
	D	90	102	120	D	10	5	10

Fig. 2.6 for Question 2

Questionnaire about coastal protection

Questionnaire

I am a student and I am doing this questionnaire as part of my Geography coursework. Please will you answer the following questions about coastal protection in this area?

1. Are you aware that the cliffs are being eroded?

   Yes ☐ No ☐

2. Do you think that the cliffs should be protected against erosion by the sea?

   Yes ☐ No ☐ Don't know ☐

3. Coastal protection is very expensive. Do you think it is worth spending so much money?

   Yes ☐ No ☐ Don't know ☐

4. Which one of these protection methods would you prefer to be used?

   Groynes ☐

   Breakwater ☐

   Rip rap / rock armour ☐

   Sea wall ☐

5. Who do you think should pay for the protection work?

   Local government ☐

   National government ☐

   Residents of the area ☐

   Visitors to the area ☐

Thank you for your time

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Table 2.3 for Question 2

Results of the questionnaire

Question 1: Are you aware that the cliffs are being eroded?

Yes	85%
No	15%

Question 2: Do you think that the cliffs should be protected against erosion by the sea?

Yes	71%
No	21%
Don't know	8%

Question 3: Coastal protection is very expensive. Do you think it is worth spending so much money?

Yes	67%
No	27%
Don't know	6%

Question 4: Which one of these protection methods would you prefer to be used?

Groynes	38%
Breakwater	20%
Rip rap / rock armour	**13%**
Sea wall	**29%**

Question 5: Who do you think should pay for the protection work?

Local government	19%
National government	51%
Residents of the area	**11%**
Visitors to the area	**19%**

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