

Cambridge Assessment International Education

Cambridge Ordinary Level

GEOGRAPHY 2217/22

Paper 2 October/November 2019

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2 hours 15 minutes

READ THESE INSTRUCTIONS FIRST

This Insert contains Figs. 5.1 and 5.2 for Question 5, Figs. 7.2 and 7.3 and Table 7.1 for Question 7, and Figs. 8.1, 8.2, 8.3, 8.4 and 8.6 and Tables 8.2 and 8.3 for Question 8.

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

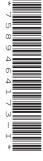


Fig. 5.1 for Question 5



Fig. 5.2 for Question 5



Fig. 7.2 for Question 7

Students' boundaries of CBD

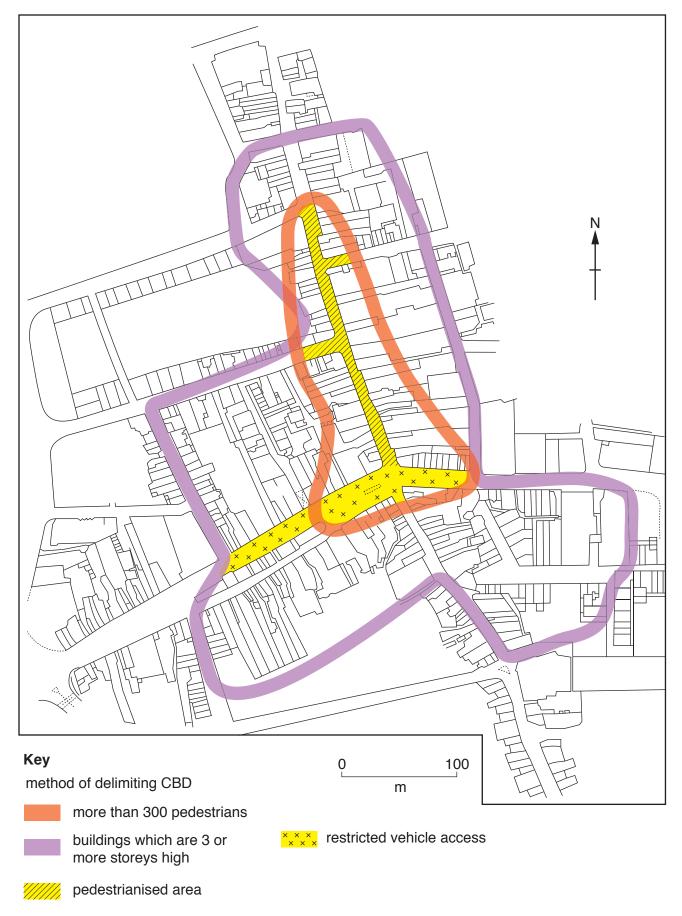


Fig. 7.3 for Question 7

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 =

Table 7.1 for Question 7

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
10 11	21 19

Fig. 8.1 for Question 8

Fieldwork area



Key

G groynes

R rock armour / rip rap

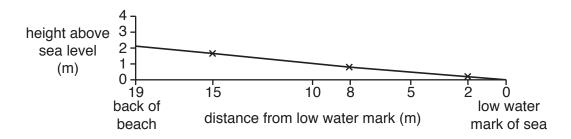
Fig. 8.2 for Question 8

A student measures the beach profile

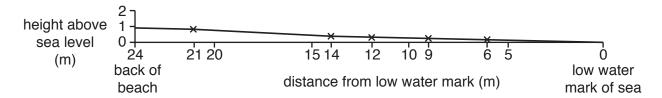


Fig. 8.3 for Question 8

Beach profile



Wave-cut platform profile



Key × measured section of profile

Fig. 8.4 for Question 8

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 12cm (120mm).
- 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.

Table 8.2 for Question 8

Results of infiltration measurements

	Decrease in water level in one minute (mm)							
		Beach			Wav	e-cut plat	tform	
	Measuring point		Measurement		Measuring point	Measurement		
	along profile	1	2	3	along profile	1	2	3
	А	30	42	58	А	0	6	3
Sea	В	60	68	85	В	2	8	12
√ Cliff	С	75	94	90	С	5	2	2
	D	90	102	120	D	10	5	10

Fig. 8.6 for Question 8

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.	1. Are you aware that the cliffs are being eroded?					
	Yes No					
2.	2. Do you think that the cliffs should be protected against erosion by the sea?					
	Yes Don't know					
3.	3. Coastal protection is very expensive. Do you think it is worth spending so much money?					
	Yes 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.	5. Who do you think should pay for the protection work?					
	Local government					
	National government					
	Residents of the area					
	Visitors to the area					
The	Thank you for your time					

Table 8.3 for Question 8

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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