



**Cambridge International Examinations**  
Cambridge International General Certificate of Secondary Education

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**GEOGRAPHY**

**0460/41**

Paper 4 Alternative to Coursework

**May/June 2018**

INSERT

**1 hour 30 minutes**

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**READ THESE INSTRUCTIONS FIRST**

This Insert contains Figs. 1.1, 1.2, 1.3, 1.5 and 1.6 and Tables 1.2 and 1.3 for Question 1, and Figs. 2.1 and 2.3 and Tables 2.1, 2.2 and 2.3 for Question 2.

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



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This document consists of **12** printed pages.

**Fig. 1.1 for Question 1**

**Destructive waves**



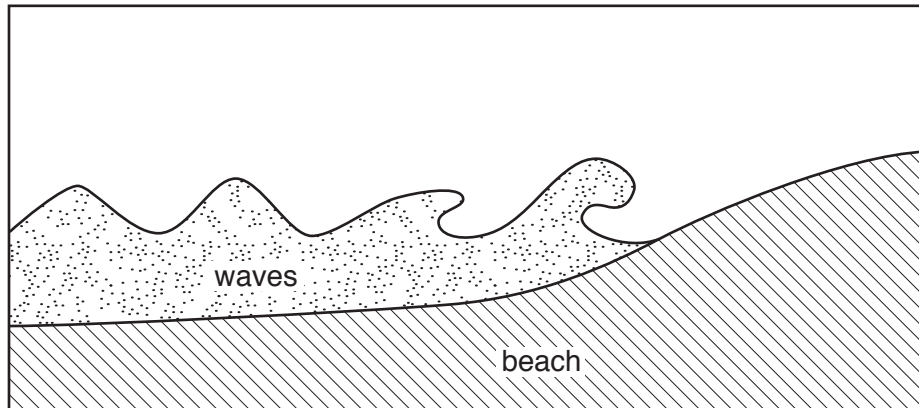
Fig. 1.2 for Question 1

Constructive waves



Fig. 1.3 for Question 1

**Destructive waves**



**Constructive waves**

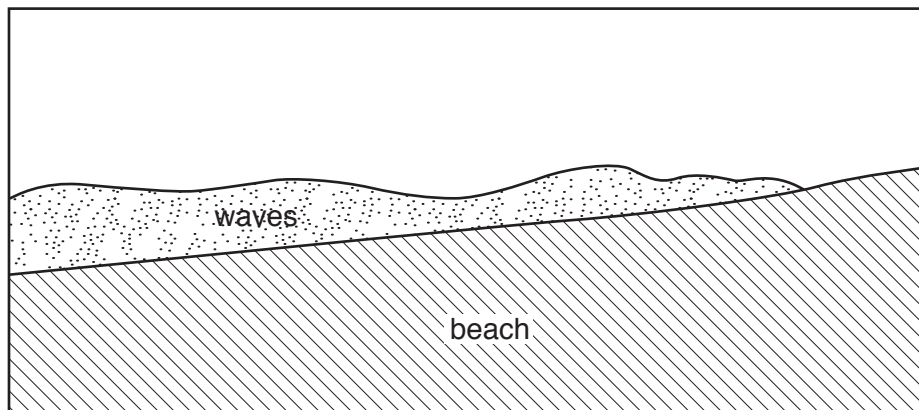
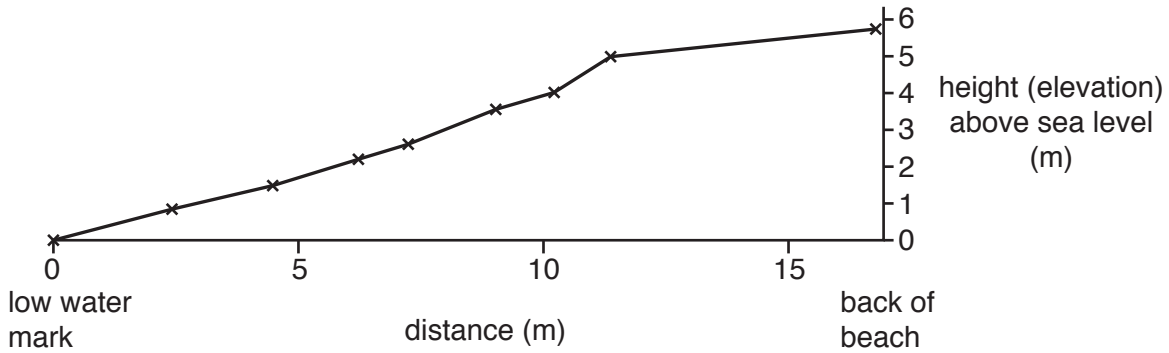


Fig. 1.5 for Question 1

Beach profiles

Bervie beach



Key

— section of beach profile

St Cyrus beach

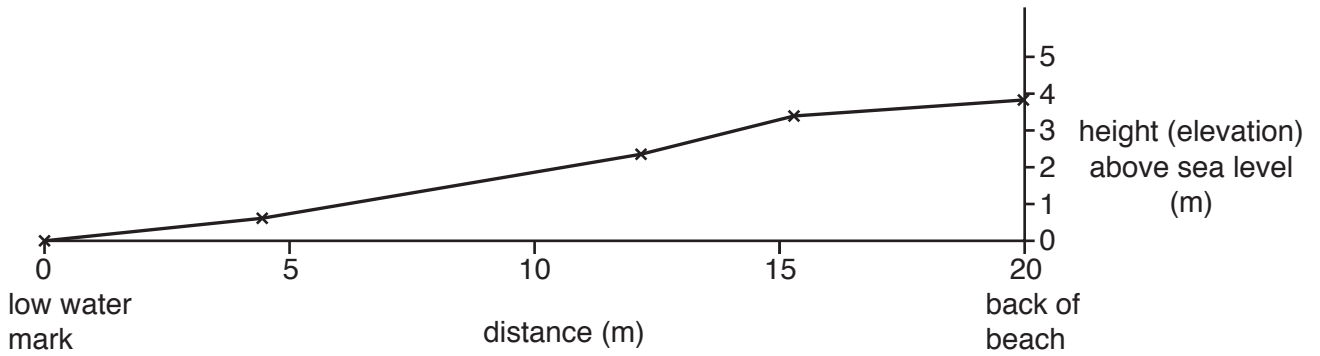




Fig. 1.6 for Question 1

Quadrat on Bervie beach



Table 1.2 for Question 1

## Beach material at Bervie beach

Site	Types of beach material and size (%)		
	Sand (less than 2 mm)	Shingle (2–20 mm)	Pebble (21–100 mm)
1	0	76	24
2	8	56	36
3	2	60	38

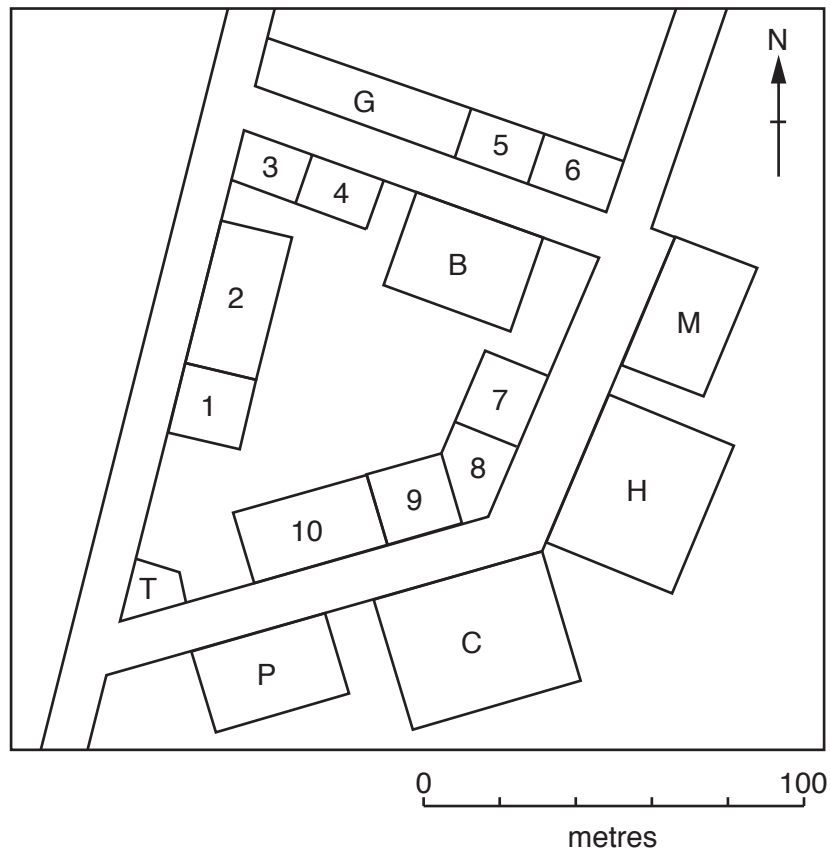
Table 1.3 for Question 1

## Beach material at St Cyrus beach

Site	Types of beach material and size (%)		
	Sand (less than 2 mm)	Shingle (2–20 mm)	Pebble (21–100 mm)
1	<b>88</b>	<b>12</b>	<b>0</b>
2	84	10	6
3	80	13	7

Fig. 2.1 for Question 2

## Part of the students' land use map

**Key to buildings**

T	Tourist information office	1	Bookshop
P	Pub/bar	2	Outdoor clothes shop
C	Church	3	Cycle repair and hire
H	Hotel	4	Café
M	Museum	5	Butcher's shop
B	Bank	6	Florist's shop
G	Art gallery	7	Bakery
		8	Gift shop
		9	Restaurant
		10	Fashion clothes shop



Table 2.1 for Question 2

**Students' classification of shops and services**

Shop or service	Number	Percentage
for tourists only	56	61
for local residents only	12	<b>13</b>
for tourists and local residents	24	<b>26</b>
Total	92	100

## Fig. 2.3 for Question 2

## Resident questionnaire

I am a student at the local college. I am doing this questionnaire as part of my *Geography* coursework. Please will you answer the following questions?

1. Are you a resident of the town?

Yes

No

If the answer is 'no' do not ask the following questions.

2. What benefits do you think tourists bring to the town? You may tick more than one benefit.

Create jobs

Spend money in the shops

Streets are cleaned regularly

Buy locally made products

Make the town well-known

3. What problems do tourists cause for you? You may tick more than one problem.

Traffic congestion on local roads

Noise and disturbance

Litter outside the house and in the garden

Overcrowded footpaths (pavements)

Car parks are full

Jobs are seasonal and there is work only in summer

Thank you for your time

Table 2.2 for Question 2

## Residents' answers to questionnaire

**Question 2: What benefits do you think tourists bring to the town?**

Benefit	Number of answers
Create jobs	100
Spend money in the shops	98
Streets are cleaned regularly	33
Buy locally made products	<b>50</b>
Make the town well-known	47
Total number of answers	328

**Question 3: What problems do tourists cause for you?**

Problem	Number of answers
Traffic congestion on local roads	100
Noise and disturbance	72
Litter outside the house and in the garden	74
Overcrowded footpaths (pavements)	46
Car parks are full	29
Jobs are seasonal and there is work only in summer	<b>65</b>
Total number of answers	386

Table 2.3 for Question 2

## Results of traffic survey at one site

Method of travel	Time of survey					
	08:00– 08:30	10:00– 10:30	13:00– 13:30	16:00– 16:30	18:00– 18:30	20:00– 20:30
Car	114	20	46	13	106	48
Tourist coach	16	47	20	36	20	1
Local bus	26	9	10	3	20	7
Lorry/van	24	13	25	12	4	2
Bicycle	8	4	30	6	26	18
Taxi	6	4	10	4	18	17
Motorbike	6	3	7	3	6	7

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