

Cambridge International Examinations

Cambridge International General Certificate of Secondary Education

GEOGRAPHY 0460/41

Paper 4 Alternative to Coursework

May/June 2018

INSERT

1 hour 30 minutes

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

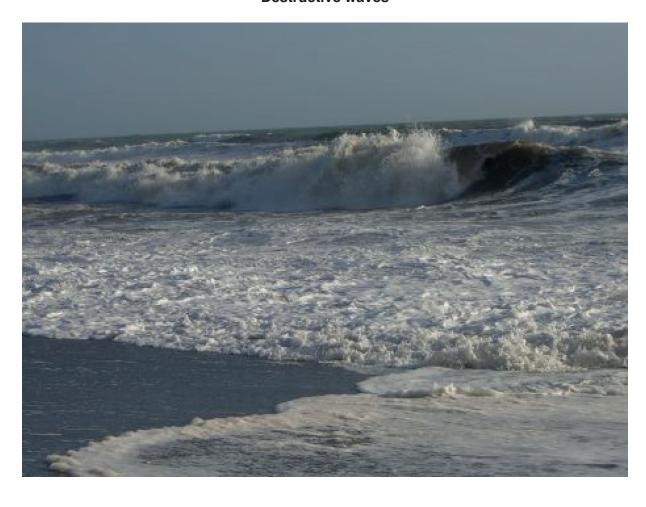


Fig. 1.2 for Question 1

Constructive waves

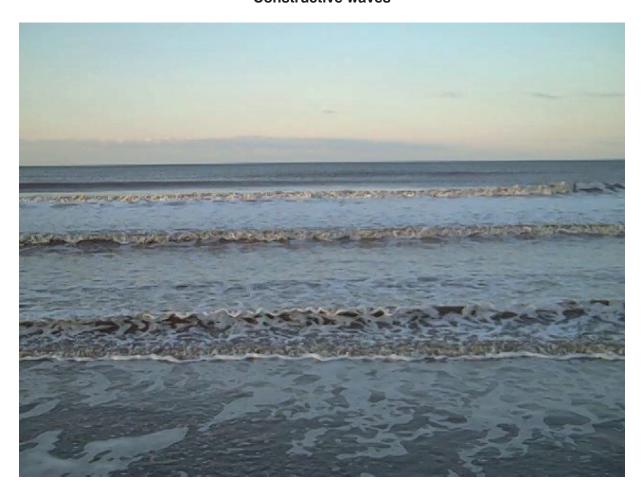
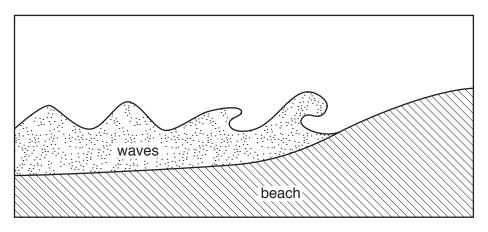


Fig. 1.3 for Question 1

Destructive waves



Constructive waves

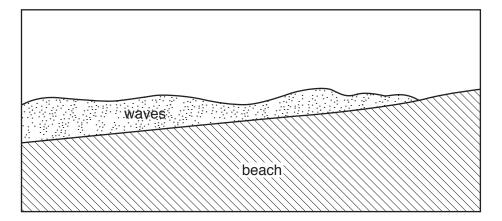
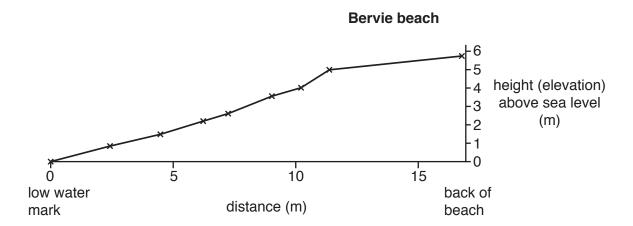


Fig. 1.5 for Question 1

Beach profiles



Key★ section of beach profile

St Cyrus beach

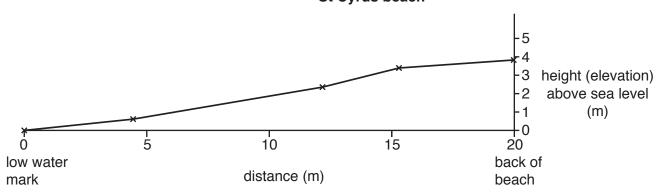


Fig. 1.6 for Question 1

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		

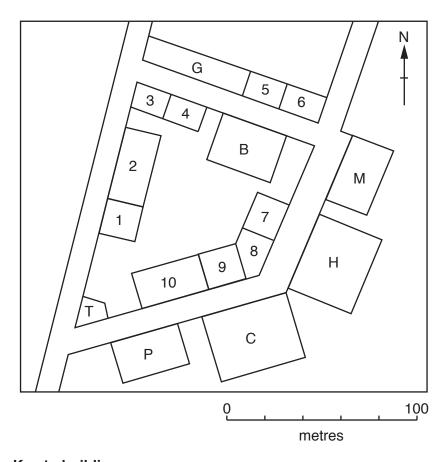
Table 1.3 for Question 1

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	88	12	0		
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
- P Pub/bar
- C Church
- H Hotel
- M Museum
- B Bank
- G Art gallery

- 1 Bookshop
- 2 Outdoor clothes shop
- 3 Cycle repair and hire
- 4 Café
- 5 Butcher's shop
- 6 Florist's shop
- 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	13	
for tourists and local residents	24	26	
Total	92	100	

Fig. 2.3 for Question 2

Resident questionnaire

	m a student at the local college. I am doing this questionnaire as part of my Geography irsework. 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
The	ank 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	50		
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	65	
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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