



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.



This syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.

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

Fig. 1.1 for Question 1

Destructive waves



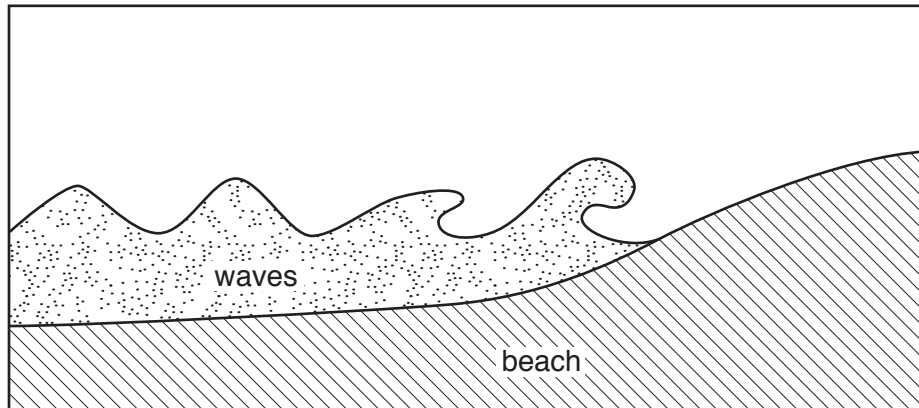
Fig. 1.2 for Question 1

Constructive waves



Fig. 1.3 for Question 1

Destructive waves



Constructive waves

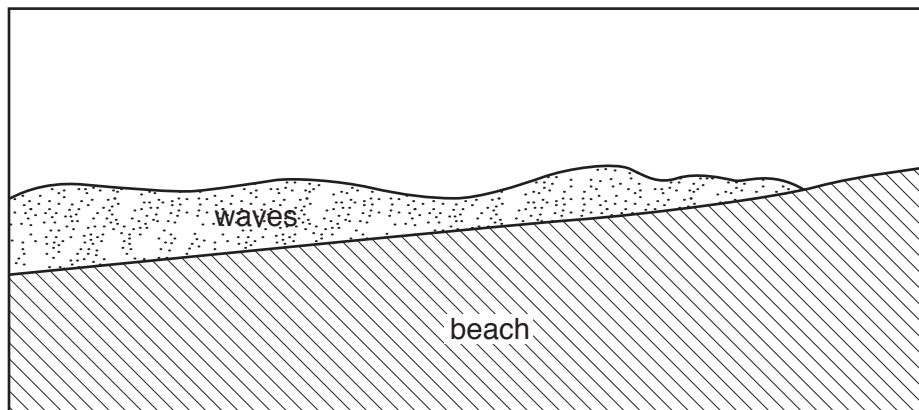
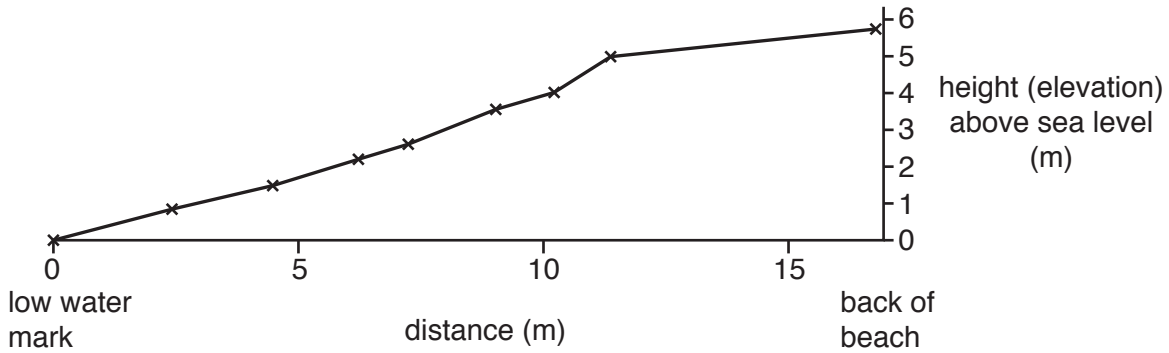


Fig. 1.5 for Question 1

Beach profiles

Bervie beach



Key

— section of beach profile

St Cyrus beach

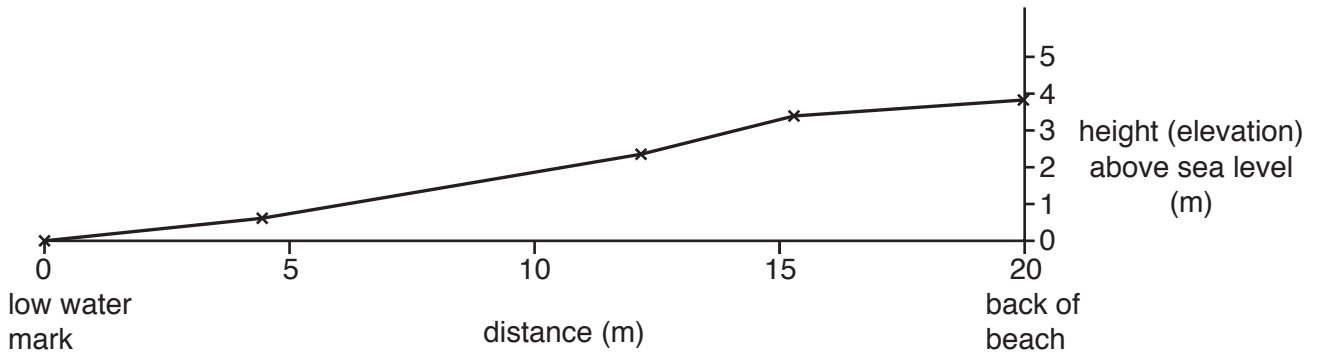


Fig. 1.6 for Question 1

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

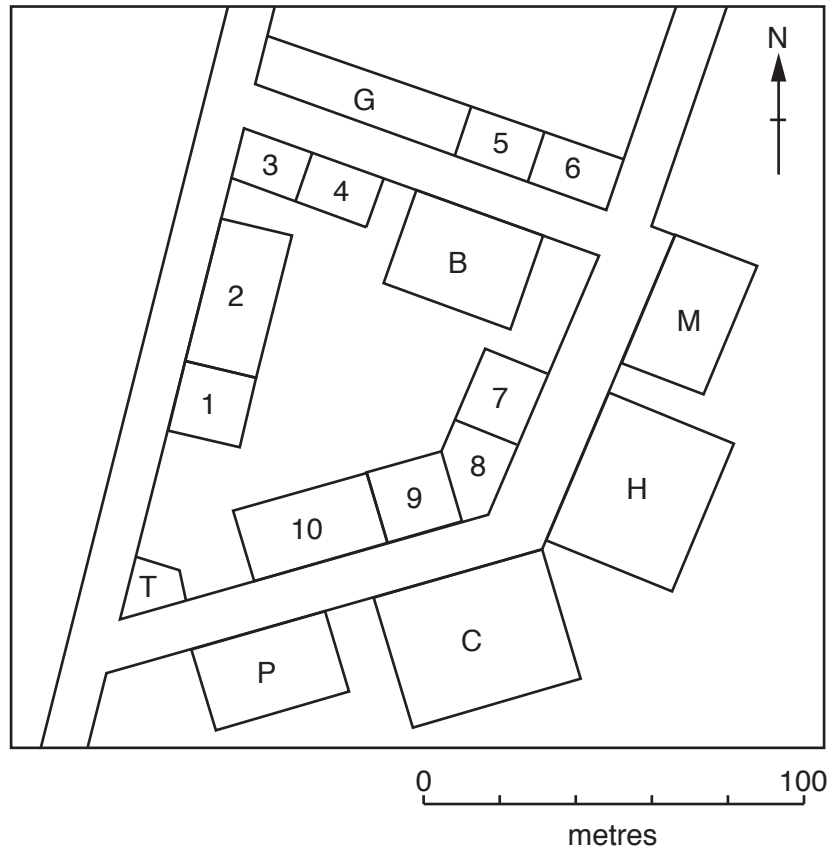
Table 1.3 for Question 1

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	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	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	13
for tourists and local residents	24	26
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	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

Permission to reproduce items where third-party owned material protected by copyright is included has been sought and cleared where possible. Every reasonable effort has been made by the publisher (UCLES) to trace copyright holders, but if any items requiring clearance have unwittingly been included, the publisher will be pleased to make amends at the earliest possible opportunity.

To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced online in the Cambridge International Examinations Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download at www.cie.org.uk after the live examination series.

Cambridge International Examinations is part of the Cambridge Assessment Group. Cambridge Assessment is the brand name of University of Cambridge Local Examinations Syndicate (UCLES), which is itself a department of the University of Cambridge.