

**GENERAL CERTIFICATE OF SECONDARY EDUCATION  
GEOGRAPHY SPECIFICATION B (Avery Hill)**

**1987/3**

Paper 3 (Foundation Tier)

**THURSDAY 12 JUNE 2008**

Afternoon  
Time: 1 hour 30 minutes

Candidates answer on the question paper

**Additional materials (enclosed):** Resource Booklet (1987/3,4/RB)  
Map Extract

**Additional materials (required):**  
None



Candidate  
Forename

Candidate  
Surname

Centre  
Number

--	--	--	--	--

Candidate  
Number

--	--	--	--

**INSTRUCTIONS TO CANDIDATES**

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use blue or black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure that you know what you have to do before starting your answer.
- Answer **all** the questions.
- Do **not** write in the bar codes.
- Write your answer to each question in the space provided.

**INFORMATION FOR CANDIDATES**

- You are strongly advised to read through each section carefully before answering.
- The number of marks for each question is given in brackets [ ] at the end of each question or part question.
- The total number of marks for this paper is **60**.
- You will be awarded marks for the quality of written communication.

FOR EXAMINER'S USE	
PART A	
PART B	
PART C	
TOTAL	

This document consists of **13** printed pages, **2** lined pages, **1** blank page, **1** Resource Booklet and a Map Extract.

Scarborough is a holiday resort on the North Sea coast of North Yorkshire. This coast suffers from erosion. This paper looks at options for managing the coast in the Scarborough area.

		<b>Marks</b>
<b>Part A</b>	This part looks at the Scarborough area. It also looks at how natural processes affect the coast and the lives of people living in the area.	<b>19</b>
<b>Part B</b>	This part looks at ways in which people might protect the coast from erosion. It also looks at the option of allowing the coast to erode without protection.	<b>21</b>
<b>Part C</b>	This part looks at effects of protecting different zones of the coast in the Scarborough area. It also asks you to make decisions about how the coast might be managed in future.	<b>20</b>
<b>Total marks</b>		<b>60</b>

### Part A

**You should spend about 20 minutes on this part.**

This part looks at the Scarborough area. It also looks at how natural processes affect the coast and the lives of people living in the area.

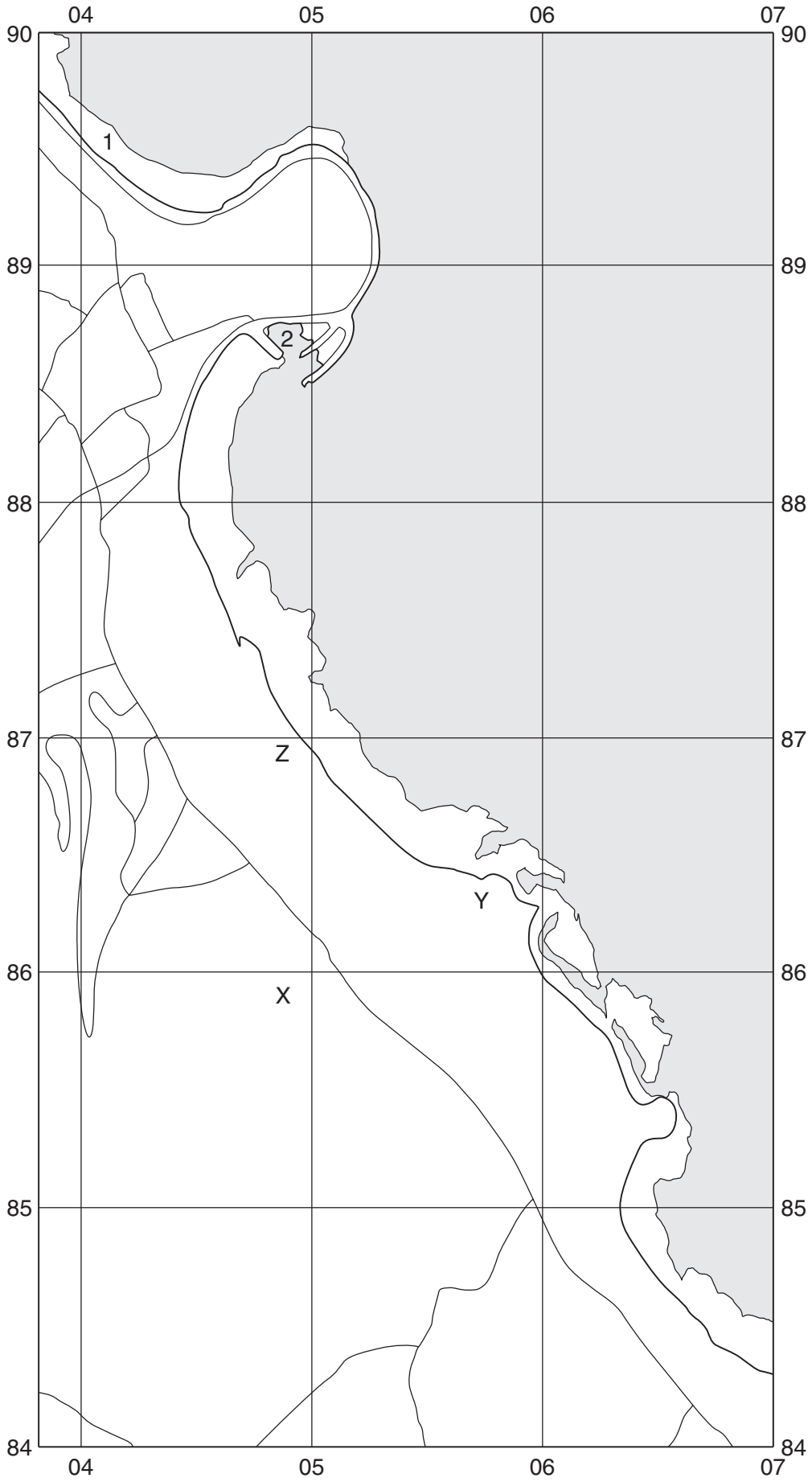
- (a) Study the separate Ordnance Survey Map Extract. It shows the same area as the sketch map opposite.
- (i) Use information from the Ordnance Survey Map to **label** on your sketch map features 1 and 2. [2]
  - (ii) Part of Scarborough South Cliff golf course is in grid square 0586. Use the correct symbol to **mark on your sketch map** a suitable part of this grid square for the golf course. [1]
  - (iii) On your sketch map **label** the A165 road. [1]
  - (iv) The Holbeck Hall Hotel used to be at grid reference 048869. Which letter on the sketch map shows where the Holbeck Hall Hotel used to be. **Circle** the correct letter below.

X                      Y                      Z                      [1]

- (b) Study Photograph 1 on page 2 of the separate Resource Booklet. It shows the Holbeck Hall Hotel before 1993. **Complete the following passage** to describe the location of the Holbeck Hall Hotel.

The Holbeck Hall Hotel was separated from the coast by a cliff and an area of **houses / car park / grass**. At its closest it was about **50 / 100 / 150** metres **east / west / north** of the cliff top.

[3]



(c) Photographs 1 and 2 on pages 2 and 3 of the separate Resource Booklet show the Holbeck Hall Hotel before and after a cliff collapse in 1993.

(i) Give two ways in which the area in the two photographs has changed.

Way 1: .....

.....

Way 2: .....

.....[2]

(ii) **Suggest** and **explain** two effects that these changes may have had on the lives of people.

First effect: .....

.....

Explanation: .....

.....

Second effect: .....

.....

Explanation: .....

.....[4]

(d) Deposition is the dropping of eroded rock material. What is meant by ‘erosion’?

Erosion means .....

.....[1]

- (e) The sketch below is of Photograph 3 in the Resource Booklet.  
**Label the sketch** to show how erosion happens at places like the Holbeck Hall Hotel.  
 One box has been done for you.

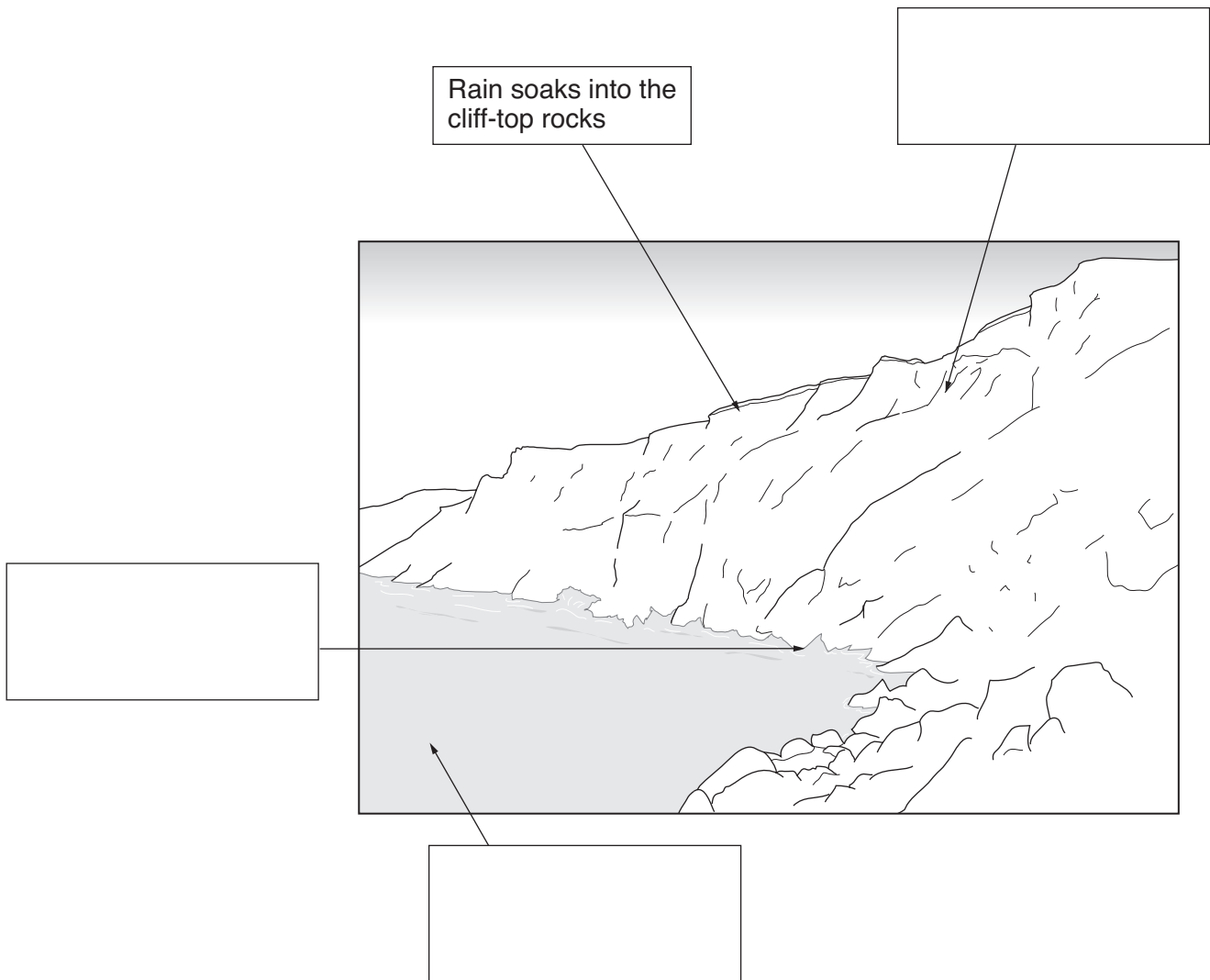
- (i) **Complete two** of the other boxes by using the labels below.

**Cliff collapses into the sea**

**eroded material is carried away**

- (ii) **Complete** the final box by writing your own label.

[4]



**Total mark: 19**

**End of Part A**

Part B

You should spend about 20 minutes on this part.

This part looks at ways in which people might protect the coast from erosion. It also looks at the option of allowing the coast to erode without protection.

- (a) Study Photograph 4 in the separate Resource Booklet. It shows one way of protecting the coast.

- (i) Complete the passage below by circling the correct answers.

The movement of eroded material along the coast is known as longshore **slide / passage / drift**. The sea carries the material up the beach in the direction of the prevailing **tides / waves / seas**. It is dragged back down at right angles to the coast by gravity. This action is called the **swash / pullback / backwash**. Barriers called **groynes / breakwaters / headlands** stop the movement of sand along the coast and allow it to build up in front of the coast.

[4]

- (ii) Explain how a build up of sand in front of the coast may help protect it from erosion.

.....

.....

.....

.....[2]

- (iii) Suggest one disadvantage of protecting the coast by using barriers to trap sand.

.....

.....[1]

- (iv) Suggest and explain one advantage of protecting the coast by using barriers to trap the sand.

.....

.....

.....

.....[2]

(b) Study Photograph 5 in the separate Resource Booklet. It shows another way of protecting the coast.

(i) There are two parts to this protection method. **Name** the two parts.

Part 1: .....

Part 2: .....[2]

(ii) **Suggest** two **advantages** of this protection method.

Advantage 1: .....

.....

Advantage 2: .....

.....[2]

(iii) **Suggest** and **explain** how protecting the coast **in this way** may affect tourism in the area.

Effect on tourism: .....

.....

Explanation: .....

.....

.....[2]

(c) An alternative to protecting the coast is to allow the coast to erode naturally. Erosion will be much quicker without protection.

Study the separate Ordnance Survey Map Extract.

(i) Gardeners working at South Cliff Gardens might disagree with allowing the coast to erode naturally in grid square 0487.

**Explain why they might disagree.**

.....

.....

.....[2]

- (ii) **Suggest** two groups of people who might agree with allowing the stretch of coast shown on the Ordnance Survey Map to erode naturally. **Explain** their views.

Group 1: .....

.....

Explanation: .....

.....

.....

Group 2: .....

.....

Explanation: .....

.....

.....[4]

**Total mark: 21**

**End of Part B**

---

Part C

You should spend about 50 minutes on this part.

This part looks at effects of protecting different zones of the coast in the Scarborough area. It also asks you to make decisions about how the coast might be managed in future.

(a) Study the separate Ordnance Survey Map Extract.

Complete the following table to show information about land use in the Scarborough area. One box has been completed for you.

	Physical nature of the shore	Land use next to the shore
Zone A		
Zone B		
Zone C	Flat rocks, shingle and sand	

[5]

(b) Suggest which of the three zones offers most job opportunities. Explain your choice.

Zone ..... offers most job opportunities.

Explanation: .....

.....

.....

.....

.....[2]

(c) Suggest which of the three zones offers least job opportunities. Explain your choice.

Zone ..... offers least job opportunities.

Explanation: .....

.....

.....

.....[2]

- (d) There are plans to protect the Scarborough coast.  
You are to write a letter to advise the Scarborough local authority on:

which **one** of the three zones should be protected first;

**how** you think this zone should be protected.

Use information in the FACTFILE in the separate Resource Booklet to **complete the matrix** on page 12 to help you organise your ideas.

Some of the matrix has been completed for you.

You need not complete all the boxes in the matrix.

You should spend about **15 minutes** completing the matrix.

11  
**BLANK PAGE**

**PLEASE DO NOT WRITE ON THIS PAGE**

<b>Zone</b>	<b>Information that supports protecting the zone</b>	<b>Reason it supports protecting the Zone</b>
<b>Zone A</b>	Global warming will cause a rise in sea levels	because buildings at sea level here could flood
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
<b>Zone B</b>		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
<b>Zone C</b>		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>
		<i>because</i>







