Surname	Centre Number	Candidate Number
Other Names		0



GCSE

3110U10-1

GEOGRAPHY Unit 1: Changing Physical and Human Landscapes

TUESDAY, 21 MAY 2019 – AFTERNOON

1 hour 30 minutes

	For Examiner's use only				
		Maximum Mark	Mark Awarded		
	Question 1	28			
	Question 2	28			
	Writing accurately	3			
either	Question 3	24			
or	Question 4	24			
	Total	83			

ADDITIONAL MATERIALS

Resource folder.

In addition to this paper you may use a calculator and a ruler if required.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use gel pen. Do not use correction fluid.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **both** questions in Section A.

Answer one question from Section B.

Write your answers in the spaces provided in this booklet.

If additional space is required you should use the additional page(s) at the end of this booklet. The question number(s) should be clearly shown.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question.

Your ability to communicate and organise your ideas will be assessed in questions that are worth 6 or 8 marks. The accuracy of your writing will be assessed in your answer to question 2(c)(iii).



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SECTION A – CORE THEMES

Answer all questions in this section.

THEME 1: Landscapes and Physical Processes

- 1. (a) Study the OS map extract in the Resource Folder. It shows an area of coastline around Pwllheli in North Wales. A key for the OS map appears on the back page of the Resource Folder.
 - (i) Identify the landform **A**.

Tick (\checkmark) one choice below.

Landform	Tick (√)
Beach	
Wave-cut platform	
Headland	

(ii) Give the six figure grid reference of the lighthouse at Point **B** on the map.

Tick (\checkmark) one choice below.

Grid reference	Tick (√)
348389	
387349	
349388	
389348	

(iii) Complete the following paragraph by <u>underlining</u> the correct answer in each of the brackets. [3]

The sand spit extends towards the (west/north-east/north-west) from Crochan Berw

in grid square 3834. The distance to the lighthouse at Point B is (0.6/2.5/0.3) kilometres

from Crochan Berw. The track along the northern edge of the sand spit is open to

(all traffic / horses only / pedestrians only).



[1]

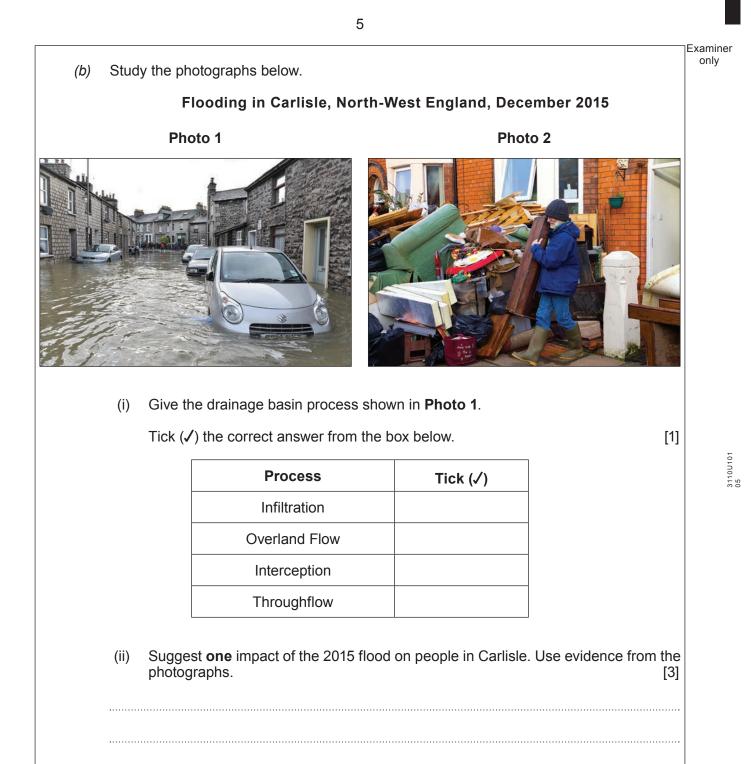
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[1]

Examiner only

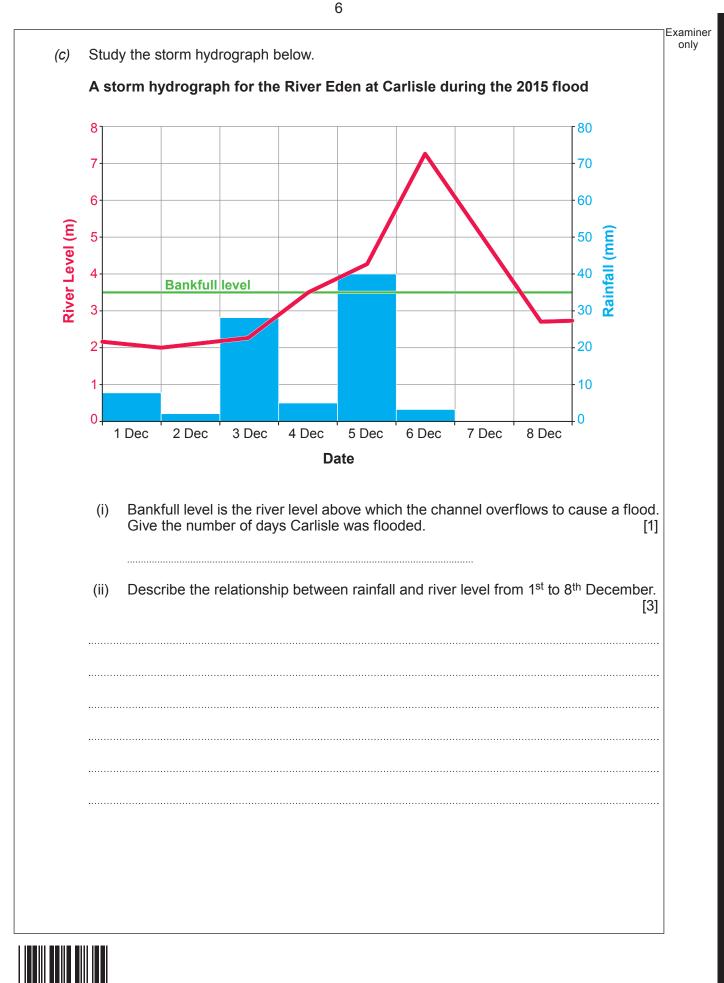
(iv)	Describe the process of longshore drift. [3]
•••••	
•••••	
•••••	
•••••	
•••••	
(V)	Analyse how longshore drift and other processes have affected the shape of the landforms along the coastline on this map. Use evidence from the map to help you answer.







Turn over.



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Examiner only

[6]

End of Question 1

7

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Explain why the shape of a storm hydrograph can be affected by different land

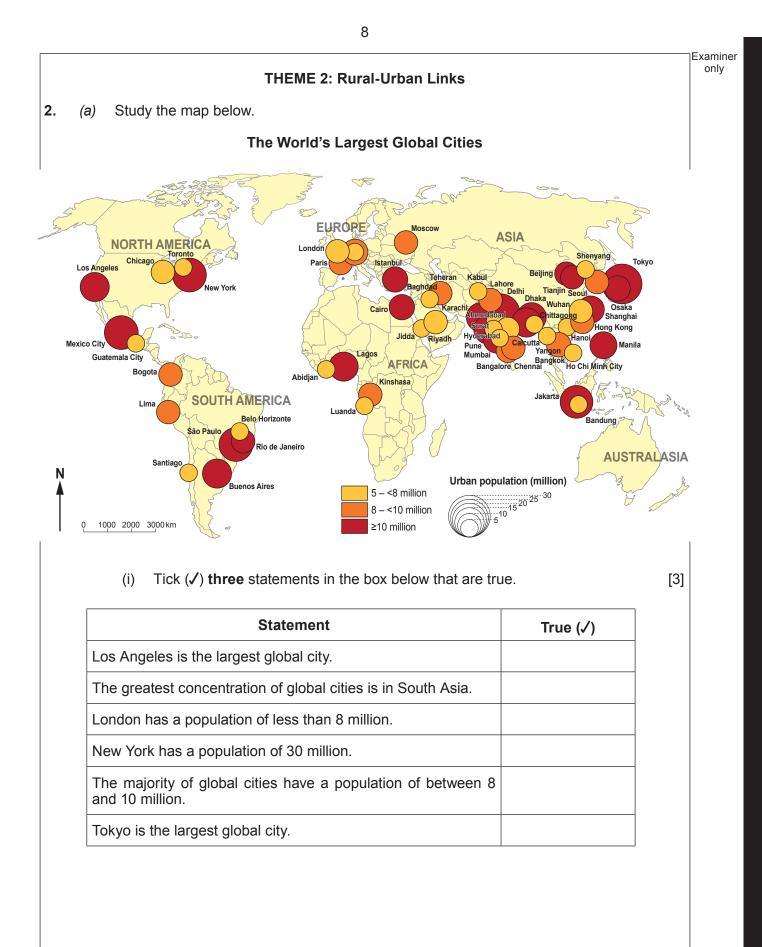


(iii)

uses.

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(ii)	Global cities often grow because of migration. Describe two pull factors which can lead to migration to global cities. [4]	Examin only
	Factor 1	
	Factor 2	



(b) Retailing is an important function in towns and cities in the UK. Retailing in UK towns and cities is changing. Study the data below.

Openings and Closures of Shops in UK Urban Areas 2015-2016

Type of LocationDifference in
number of retail
unitsTown centre high street shops-373Out of town retail park shops+304Town centre shopping centre+22

Vacant shops in Newport, Wales



(i) Give the type of location in which more retail units have closed than opened. [1]

Newport, South Wales, has one of the highest percentages of vacant city centre retail units in the UK.

Total number of retail	Number of vacant
units in Newport city	retail units in Newport
centre	city centre
507	138

Source: Local Data Company

Source: Local Data Company

(ii) Calculate the percentage of vacant retail units in Newport to one decimal place. Show your working. [2]

Answer



Examiner only

Examiner only

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	(iii) 	Give two reasons why many people prefer to shop in out of town retail parks that in town centre high streets. [4 Reason 1
		Reason 2
(C)	(i)	What is a brownfield site?
	(ii)	Give two reasons why brownfield sites are often preferred to greenfield sites f new developments.



Study the **Resource Box** below.

Resource Box

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In recent years, the dockland area of Bristol has undergone major change.

The development of Bristol Docks has created a commercial environment of café bars, restaurants, shops and other tourist and leisure facilities generating over 3 000 new jobs in a previously run-down part of the city. There are also sports facilities, an industrial museum and a maritime heritage museum.

Part of Bristol Docks before redevelopment

(iii)



Bristol Docks Waterfront

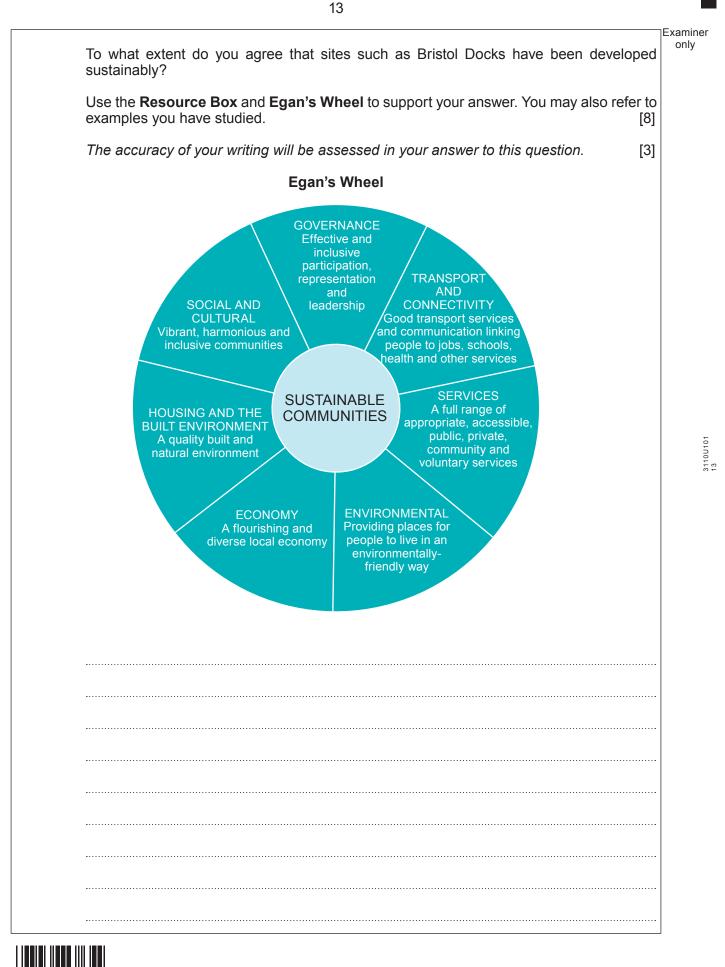


Millennium Square, Bristol Docks

New housing development in Bristol Docks







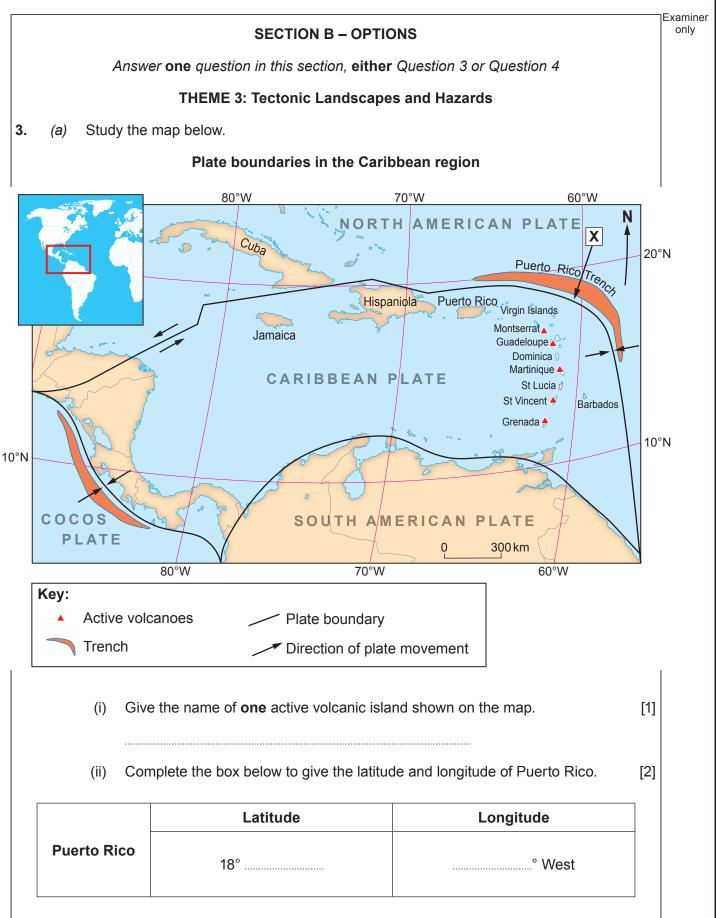
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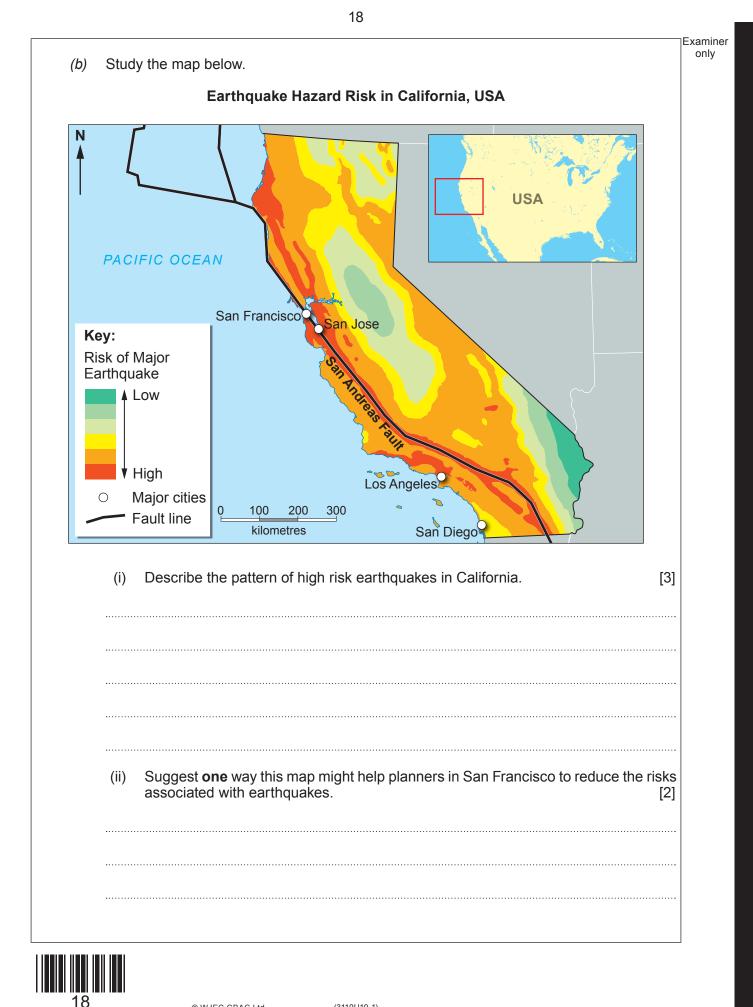




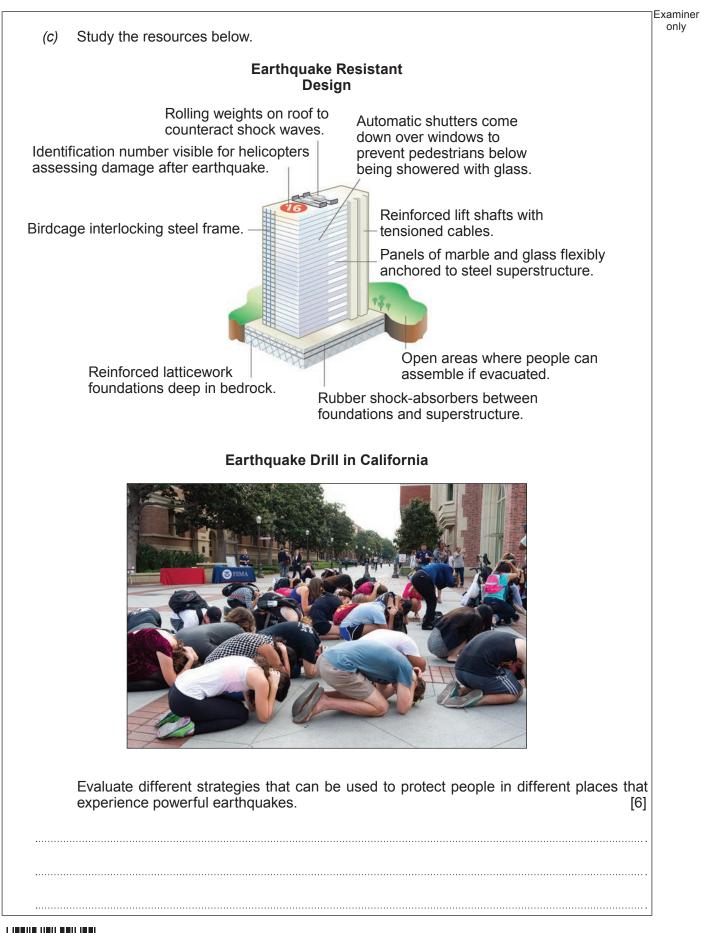


		1	7			
(iii)	Complete the follo	owing paragrap	h choosin	g your a	inswers from the	e box below. [4]
	mantle	rift valleys	core	cons	structive	
	subduction	conservative	conve	ection	divergence	
	destructive	stratovolcan	oes (crust	hot spots	
The	Earth's		is made	e up of s	segments called	plates which
mov	e relative to each ot	her. At X , the C	aribbean I	Plate is o	colliding with the	North American
Plate	e. This is called a			plate	margin where t	he process of
		leads to o	ne plate s	inking u	nderneath the o	ther and melting.
	lforms like		-	-		-



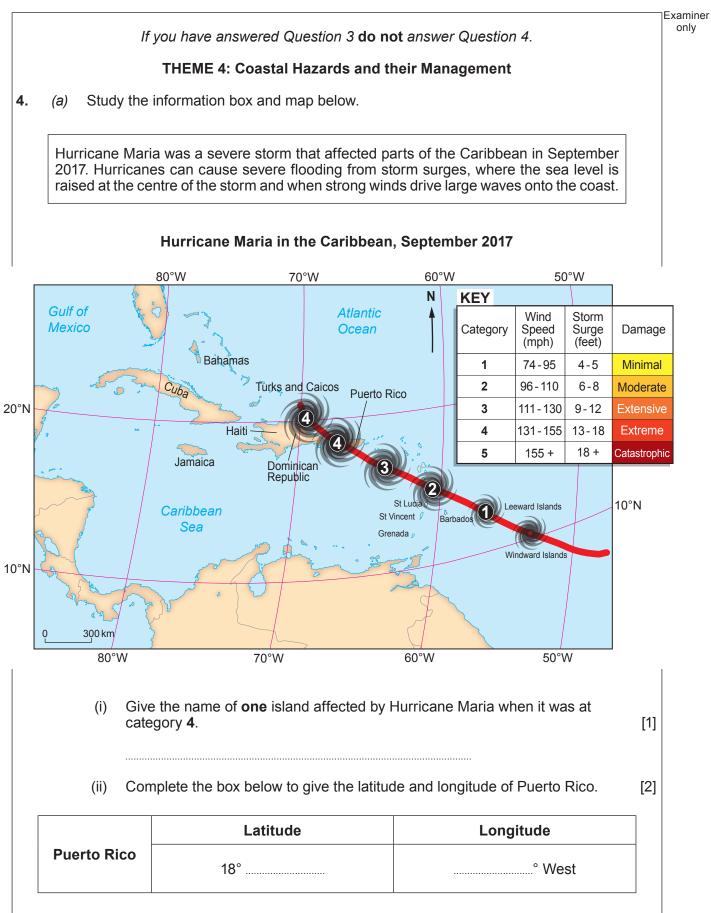


(iii) Expla	in why earthquakes can affect infrastructure in large cities.	[2]





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		Only
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	End of Question 3	
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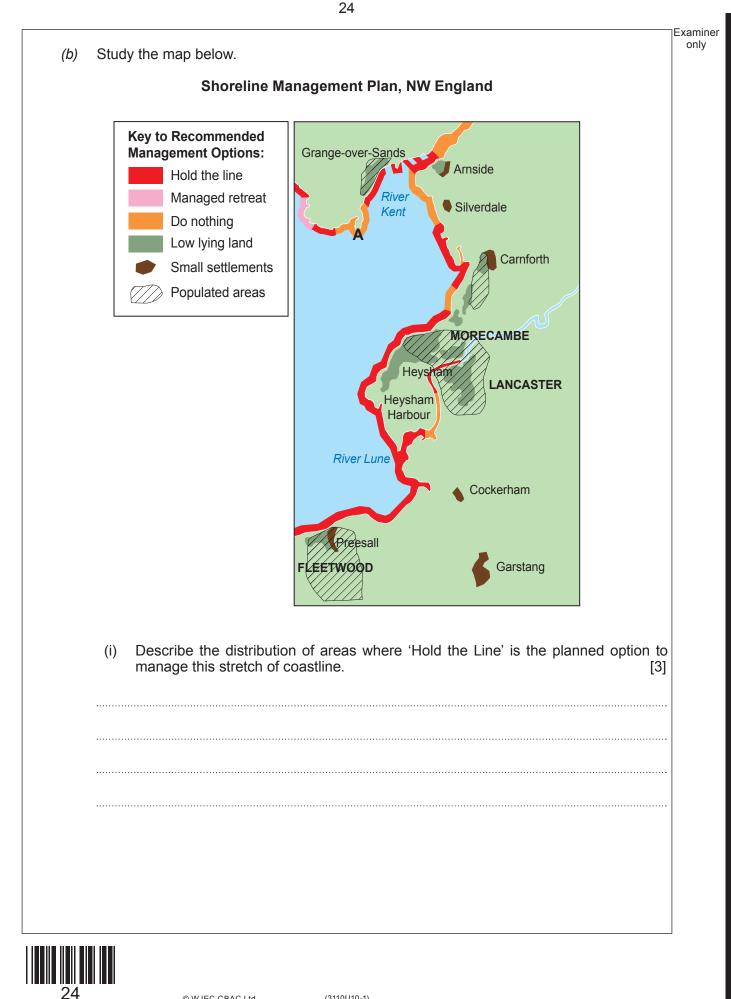




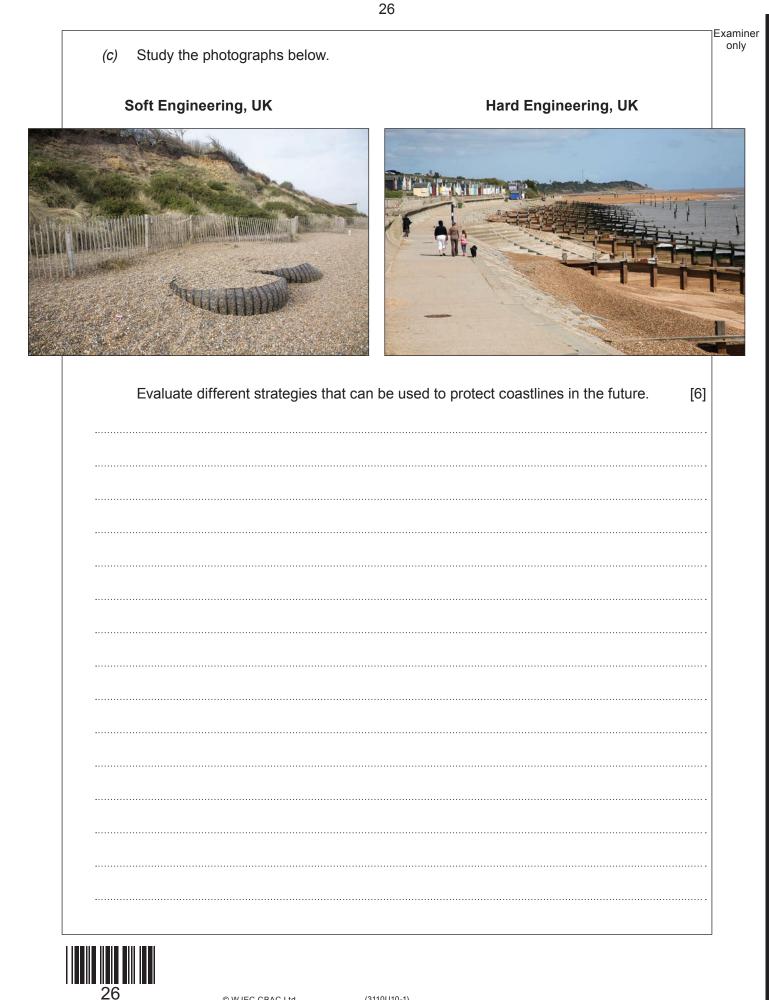
Complete the following paragraph choosing your answers from the box below. [4] (iii) wealth sparsely geology evenly soils education relief strength health densely rainfall direction Severe weather events can pose a risk for people living in coastal environments. Physical factors that increase the risk can include the low-lying of many coastal areas which means they can be easily flooded. Another physical factor is the and frequency of events. Human factors include the number of people affected as coastal areas are often more which determines whether it can afford to protect its people. (iv) Explain why rising sea levels are likely to be a problem in the future for people who live in Small Island States. [4]



Examiner only



(ii)	Suggest one reason why the planned option is to 'Do Nothing' in the Area A in the north of the map. [2]
(iii)	The opinions of residents who live at the coast are often different to those of local councils about how the coastline should be managed.
	Give one reason to explain this. [2]





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