Surname	Centre Number	Candidate Number
Other Names		0

GCSE



C112U10-1



GEOGRAPHY B – Component 1 Investigating Geographical Issues

TUESDAY, 21 MAY 2019 - AFTERNOON

1 hour 45 minutes

For Examiner's use only			
Question	Maximum Mark	Mark Awarded	
1	32		
SPaG	4		
2	32		
3	32		
Total	100		

ADDITIONAL MATERIALS

Resource Folder.

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

INSTRUCTIONS TO CANDIDATES

Answer all of the questions in this examination paper.

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.

Write your answers in the spaces provided in this booklet.

If additional space is required you should use the lined 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 or part-question.

You are reminded that assessment will take into account your ability to spell, punctuate and use grammar and specialist terminology accurately in your answer to question 1(d).



Theme 1: Changing Places – Changing Economies

Examiner only

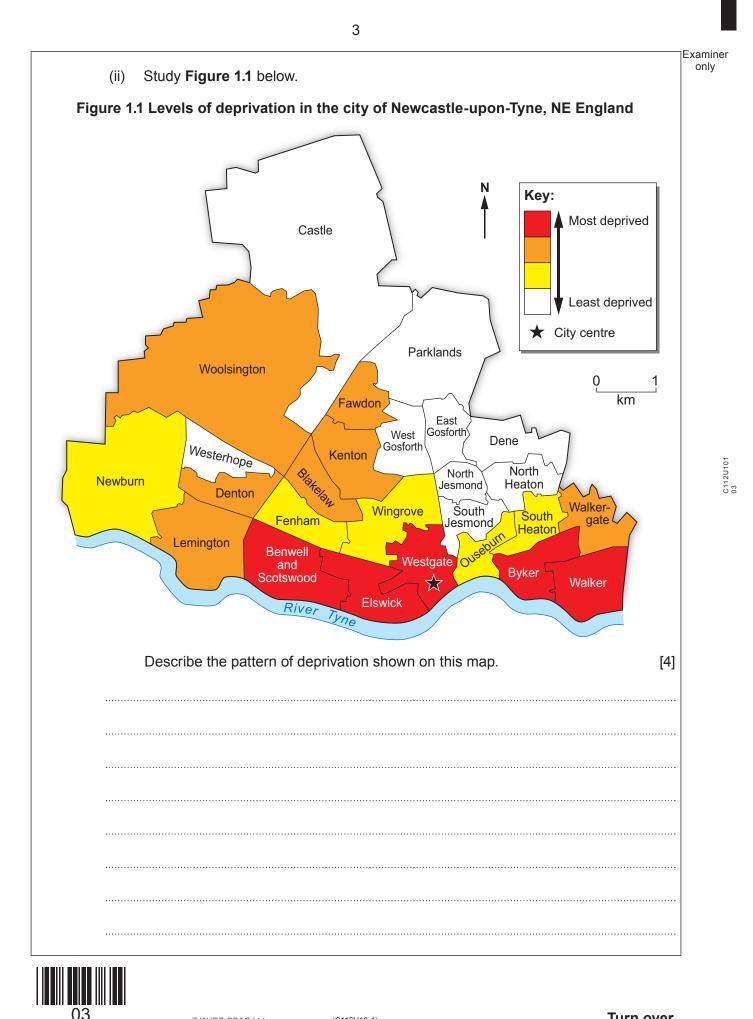
2

Answer all questions.

- 1. Most towns and cities in the UK have distinctive zones. One of these is the zone of deprivation.
 - (a) (i) **Tick (/) three** features in the list below which are indicators of deprivation. [3]

Feature	Tick (√)
Low crime rate	
High level of car ownership	
High level of overcrowding	
Low level of employment	
High level of income	
Low level of good health	





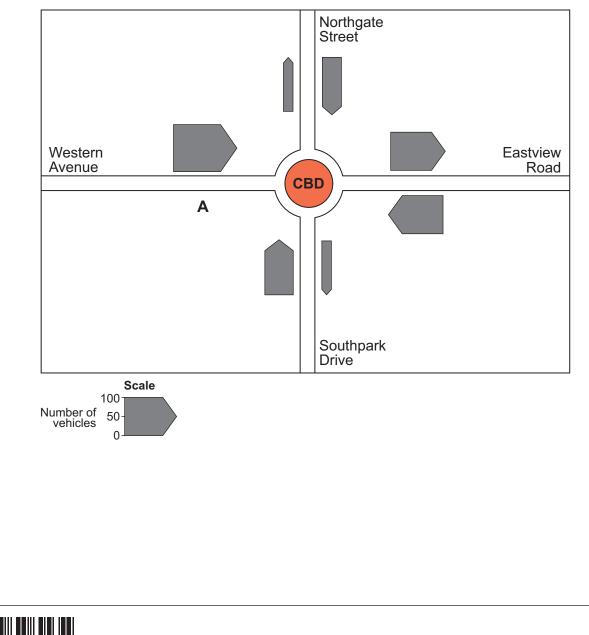
(b) (i) **Tick (***J***)** which of the following statements best describes the land use of the CBD (Central Business District).

Examiner

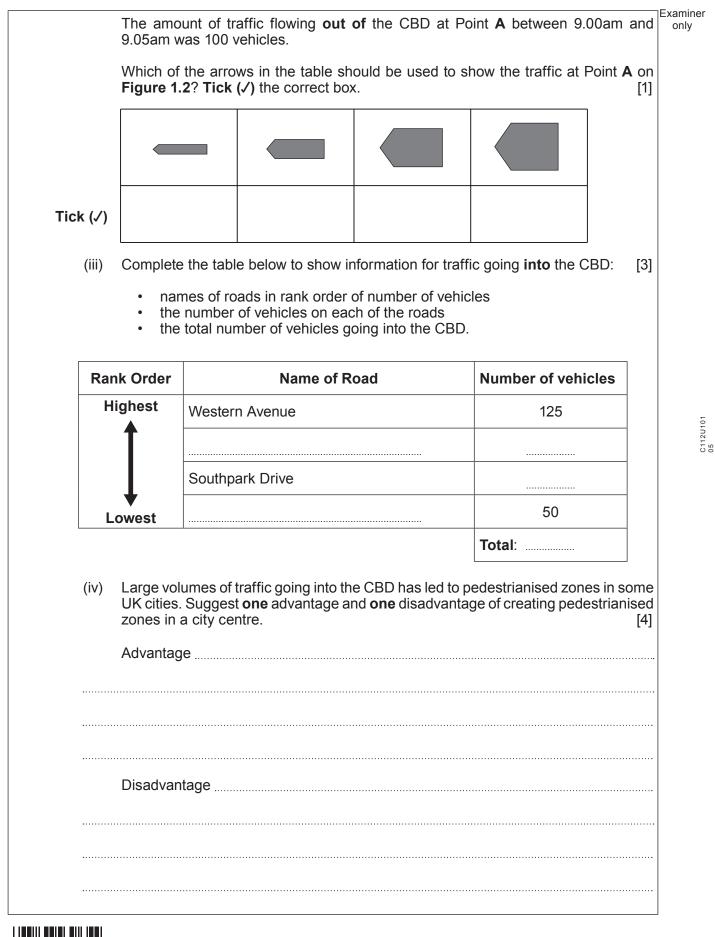
Land Use	Tick (√)
Mainly small factories and warehouses	
Mainly shops, offices and restaurants	
Mainly retail parks and leisure centres	
Mainly new housing estates	

(ii) Many cities have high volumes of traffic. Study **Figure 1.2** below.

Figure 1.2 The flow of traffic into and out of a CBD between 9.00am and 9.05am.









(C112U10-1)

	(1)			kaminer only
(c)	(i)	Give one reason why the population of cities in the UK is increasing.	[2]	
	•••••			
	•••••			
	•••••			
	(ii)	Explain why improving transport systems can help to make cities more sustainable.		
		sustainable.	[6]	
	·····			
	•••••			
	•••••			
	•••••			
	•••••			
	•••••			
	·····			
	•••••			
06				
00		© WJEC CBAC Ltd. (C112U10-1)		

BLANK PAGE

7

PLEASE DO NOT WRITE ON THIS PAGE



(d) Study the information below. They show some features of urban and rural areas of the UK.

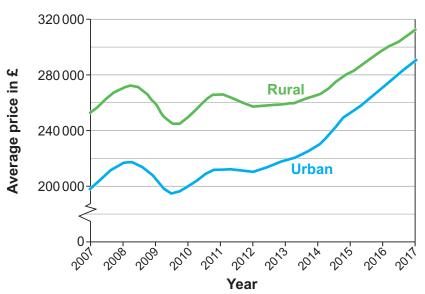


Figure 1.3 Changes in house prices 2007-2017

Figure 1.4 Urban and rural comparisons

Feature	Urban	Rural
% of total population	82%	18%
% of people not in work/retired	19%	24%
% of people with access to a doctor's surgery within 4km of their home.	100%	80%
% of people with access to superfast broadband connection	86%	30%

Figure 1.5 Changes to rural services



Volunteers run some rural services such as buses, post offices, libraries and shops to prevent them closing.



What conclusions can you reach about the social and economic issues facing rural areas of the	Examiner only
UK? [8]	
Your ability to spell, punctuate and use grammar and specialist terminology accurately will be assessed in your answer to this question. [4]	
	10
	C112U101



10	
	Examiner only
	Only
End of Question 1	
	1

BLANK PAGE

11

PLEASE DO NOT WRITE ON THIS PAGE



		Answer all questions.				
•	(a)	Coastal areas are affected by many different physical processes. Complete the sentence below by adding the correct words from the box. [4]				
			hydraulic action headlands deposition	joints attrition cliffs	weathering saltation abrasion	
		Some	e rocks have vertical line	es of weakness called		
		The b	preaking down of rock b	y the wind and rain or	by plant roots	
		is cal	led	The force of	waves compressing a	air into weakness
		in the	e cliffs is called	т	he process where roo	cks are picked up
		by the	e waves and thrown aga	ainst the cliffs is called	l	
	(b)	(i)	What is the distance		Trail footpath from	the Coastguard
	(D)	-		along the Tennyson	Trail footpath from	-
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
	(0)	-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
		-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
		-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
		-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
		-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard
		-	What is the distance Cottages at 301848 to	along the Tennyson	Trail footpath from	the Coastguard



(ii) **Figure 2.1** below shows part of the area on the **map** in the **Resource Folder**. It was taken in grid square 3085.



In which direction was the photograph taken? **Tick** (✓) the correct box below.

Direction	Tick (√)
North-west	
North-east	
South-west	
South-east	

(iii) Name the features marked **A**, **B** and **C** on **Figure 2.1**, using the map in the **Resource Folder**. [3]

Feature	Letter
White Cliffs	
Scratchell's Bay	
The Needles	
Alum Bay	
West High Down	
Totland Bay	



© WJEC CBAC Ltd.

[1]

C112U101 13

Examiner only The Needles are an example of the coastal landform 'stacks'. Describe how a stack is formed. You may draw diagrams in the space below to support your answer. [4] (iv) _____

Examiner only

(c) **Figure 2.2** below shows the amount of potential erosion around Totland Bay in the Isle of Wight. (*Potential erosion is the amount of erosion that could occur with no management.*)

riguro 2.2 i otonital orosion ratos arouna rotana bay			
10 year time periods	Potential erosion in metres		
2015-2025	19.41		
2025-2035	13.24		
2035-2045	14.11		
2045-2055	15.23		
2055-2065	16.10		

Figure 2.2 Potential erosion rates around Totland Bay

- (i) The median value for potential erosion is 15.23 m. Give one limitation of using the median as a measure of potential erosion. [1]
- (ii) Calculate the mean of potential erosion rate between 2015 and 2065. Show your working below. [2]

Mean = metres



) Explain one way in which human activity can increase coastal erosion. [2]
) To reduce erosion rates some planners support the 'hold the line' method of coastal management. Explain why there are conflicting views on this method of coastal management. [6]

BLANK PAGE

17

PLEASE DO NOT WRITE ON THIS PAGE



(d) Study Figure 2.3 below.

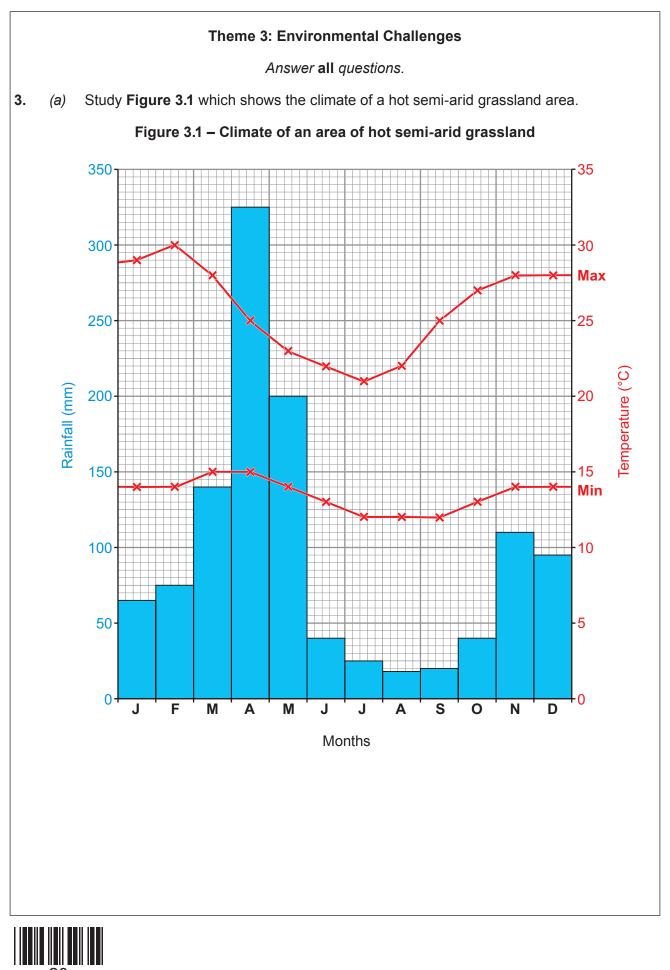
Figure 2.3 Some areas of the world are at significant risk from rising sea levels and increased frequency of storms. 23% of the UK's population live A rise of 1 metre would affect 70% of the within 10 kms of the coast. population of Bangladesh. The country also experiences frequent storms. 5 DAILYNEWS MANYORIDOST 1 IRMA'S Increase in severe hurricanes ss has devastating effects on the USA and Caribbean islands. Key: • = Major cities at risk from rising sea level 80% of the islands of Maldives are less than 1 metre above sea level.

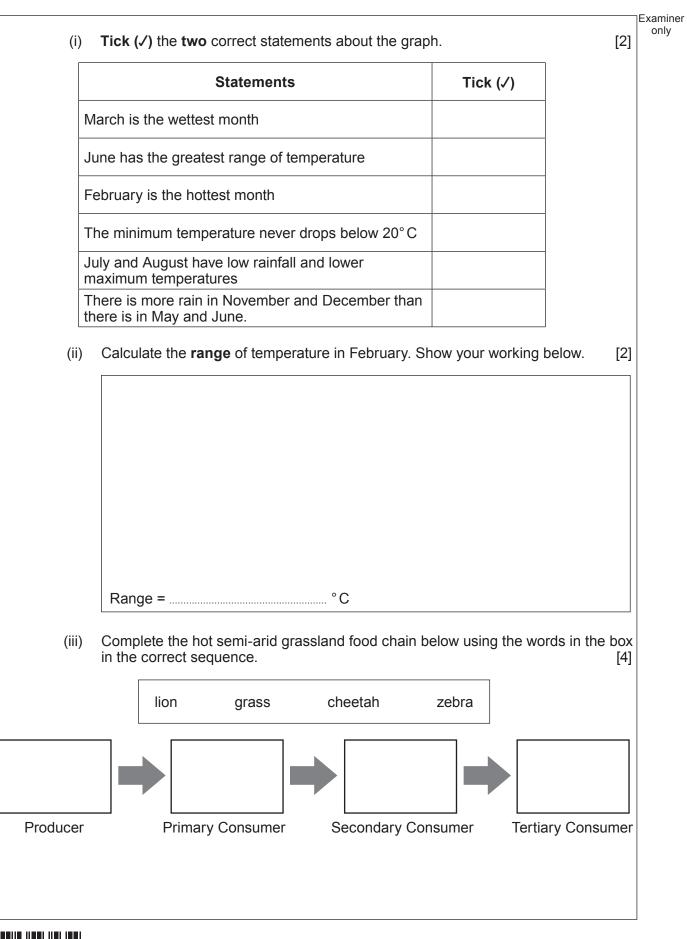


© WJEC CBAC Ltd.

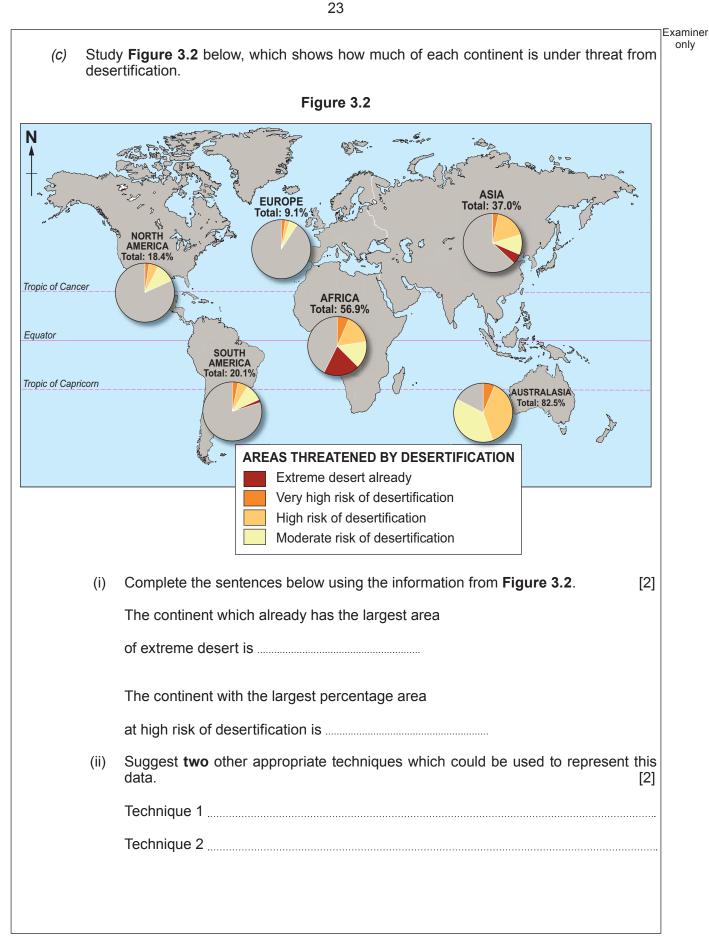
How far do you agree with this statement?	[8]







r a named ecosystem you have studied (other than hot semi-arid grassland) desc w the ecosystem has been managed. Ime of ecosystem	
r a named ecosystem you have studied (other than hot semi-arid grassland) desc w the ecosystem has been managed. ume of ecosystem	
r a named ecosystem you have studied (other than hot semi-arid grassland) desc w the ecosystem has been managed. ume of ecosystem	
w the ecosystem has been managed.	
w the ecosystem has been managed.	
w the ecosystem has been managed.	
w the ecosystem has been managed.	
	[4]





(iii) Explain why human activity can increase the process of desertification.	[4]
	•••••
© WJEC CBAC Ltd. (C112U10-1)	

BLANK PAGE

25

PLEASE DO NOT WRITE ON THIS PAGE



(*d*) Study the photographs and map below, which show some strategies to reduce desertification.



Figure 3.3 Make land use more sustainable.



Figure 3.4 Use alternative modern farming techniques.



Figure 3.5 Encourage the growth of new urban settlements away from desert areas.



Figure 3.6 Support projects such as the Great Green Wall in Africa where 11 countries have planted lines of trees.



Evaluate h desertificat	now successful ion.	strategies	like	these	could	be	in	reducing	the	spread	of [8]
						•••••					
						•••••			••••		
						•••••	• • • • • • • •				
											•••••
						•••••			•••••		
		End of	Que	stion 3	5						
		END	of P	APER							
27	© WJEC CBAC Ltd.	((C112U10-	1)						Turn o	ver

Question number	Additional page, if required. Write the question number(s) in the left-hand margin.							
		1						
		·						
		1						



© WJEC CBAC Ltd.

GCSE

C112U10-1A



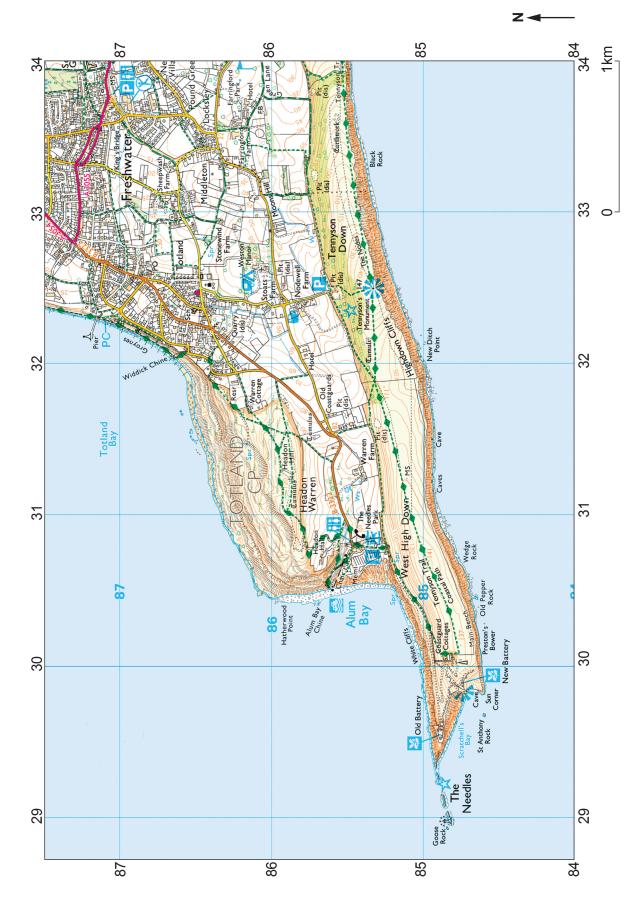


GEOGRAPHY B – Component 1

TUESDAY, 21 MAY 2019 - AFTERNOON

RESOURCE FOLDER

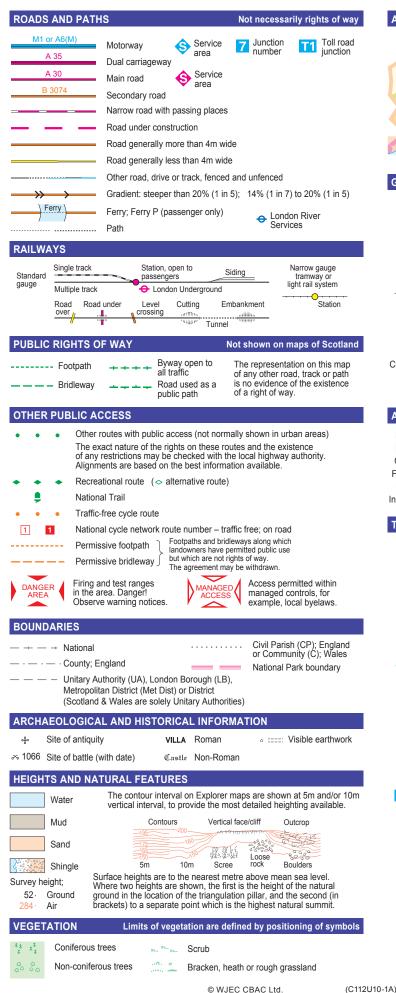
This folder is for use with questions in Component 1. This folder need not be handed in with your answer booklet.



An OS map of an area of the Isle of Wight

BLANK PAGE

Explorer series (1:25000 scale) EXPLORER MAP SYMBOLS



ACCESS LAND (England and Wales) Access Access land portraved on this map is intended as a guide to land normally available for access on foot, for example access land created under the Countryside information point and Rights of Way Act 2000, and land managed by Access land National Trust, Forestry Commission, Woodland Trust and Natural Resources Wales. Some restrictions will Access land in apply; some land shown as access land may not have wooded area open access rights; always refer to local signage The depiction of rights of access does not imply or within sand express any warranty as to its accuracy or completeness. Observe local signs and follow the Countryside Code. Visit: gov.uk/government/ publications/the-countryside-code Coastal margin **GENERAL FEATURES** Triangulation pillar Gravel pit Ĩ Mast Sand pit X Windmill with or without sails Other pit or quarry Ť Wind pump ľ 卞 Wind turbine Landfill site or slag/spoil heap Building; important building Electricity transmission line Glasshouse × Solar farm Youth hostel Bunkhouse, camping barn or Slopes other hostel Place of worship Bus or coach station Current or former place of worship; 治丸 Lighthouse; disused lighthouse with tower Beacon ٨ with spire, minaret or dome ABBREVIATIONS See website for full list Boundary post Pol Sta Police station Liby Library Boundary stone Market Mkt Resr Reservoir Clubhouse Meml Memorial Sch School MP; MS Fire Station ΤН Town hall Milepost: Milestone Footbridge Mon Monument NTL Normal tidal limit Industrial Estate PO Post office W; Spr Well; spring TOURIST AND LEISURE INFORMATION Art gallery (notable / important) Museum ÍM Boat hire X National Trust Nature reserve Boat trips Building of historic interest ☆ Other tourist feature Ρ Parking Camp site P&R Park and ride, all year Camping and caravan site P&R Park and ride, seasonal Phone; public, emergency. Caravan site ،،، roadside assistance Castle or fort Picnic site

Ordnance

Survey

Preserved railway Cathedral or Abbey Country park Public house(s) PC Public toilets Craft centre ĦĦ $(\mathbf{\hat{k}})$ Recreation, leisure or sports centre Slipway English Heritage 2 Theme or pleasure park 1 Viewpoint Forestry Commission visitor centre V Visitor centre Garden or arboretum Walks or trails Golf course or links Water activities Ś Water activities (board) Heritage centre ž Water activities (paddle) Historic Scotland 3 Horse ridina Water activities (powered) Information centre Water activities (sailing)

A

00.000000

pylon pole

 \mathbb{X}

нинининии

1

BP

BS

CH

F Sta

FB

Ind Est

合

æ.

A

÷

Å

RX

i.

t

ĬĬ

Ŕ

64

d 4

₿

 \mathcal{A}

*

ਜਿ

态 lS

i

Cadw

Cycle hire

Cvcle trail

Fishing