Candidate Name	Centre Number	Candidate Number
General Certificate of Secondary Education		
Welsh Joint Education Committee and OCR (former Midland Examining Group) syllabus		

**GEOGRAPHY SYLLABUS B (Avery Hill)** 

PAPER 1 FOUNDATION TIER

**SPECIMEN PAPER FOR JUNE 2003** 

1 hour 30 minutes

1987/1

Additional materials: OS Map Extract (1987/M) Scale: 1 : 50 000 Resource Sheet (1987/1/2/RS)

**TIME** 1 hour 30 minutes

# **INSTRUCTIONS TO CANDIDATES**

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

This question paper is in three sections (Sections A, B and C). Each section contains two questions.

Answer only **one** question from each section.

Answer **all** parts of the question chosen in the spaces provided. If there is not sufficient space, continue on the lined pages at the end of the question paper. Any answers on the lined pages must be clearly numbered.

At the end of the examination complete the grid below.

# INFORMATION FOR CANDIDATES

You are strongly advised to read through each section carefully before answering a question.

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

Credit will be given for the relevant use of sketch maps and diagrams.

You are reminded of the need for good English and clear presentation in answers.

		Tick the Questions Answered	For Examiner's Use
SECTION A	Question 1		
	Question 2		
SECTION B	Question 3		
	Question 4		
SECTION C	Question 5		
	Question 6		
		TOTAL	

### **SECTION A**

2

## CLIMATE, THE ENVIRONMENT AND PEOPLE

Answer EITHER Question A1 OR Question A2.

#### **Question A1**

(a) In 1993 a low pressure weather system (depression) affected the east coast of the USA. Weather Station A recorded the weather as the depression passed it.



**Complete** the table below by filling in the spaces for **Weather Station A**. Use the key to help.

#### Weather Station A

Wind speed	38 to 43 knots
Temperature	
Cloud Cover	
Wind direction	
Weather	

[4]

(b) Study the weather map below. It shows the depression on 13th March 1993 and the location of two weather stations, A and B.



[2]

(v) **Circle** the correct words below to compare the weather at the two weather stations.

The temperature at A was warmer than / colder than / the same as the temperature at B.

Cloud cover at A was greater than / less than / the same as cloud cover at B.

(c) The diagram below shows a cross-section from X to Y through the weather system on the map.



Give **reasons** for the weather differences between **Weather Station A** and **Weather Station B**. You may use the diagram and map to help.

Reason for differences in temperature:

Reason for differences in cloud cover:

\_ [4]

For Examiner's Use



(d) Study the map below. It shows the route of the low pressure system as it passed over the USA.

Source: based on continuous satellite images (N.A.S.A.)

(i) **Describe** the route taken by the low pressure system between 12th and 14th March.

[3]

6 (ii) Suggest how the low pressure system shown on the map could have affected the lives of people. \_\_\_\_\_[5] (e) CASE STUDY: The effect of a type of climate on the lives of people. For a named place you have studied, describe its climate and explain how it has affected or affects the lives of people. (i) Type of climate \_\_\_\_\_ Name of the place you have studied \_\_\_\_\_ (ii) **Describe** the type of climate.

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Answer EITHER Question A1 OR Question A2.

#### **Question A2**

(a) Study the world map below. It shows where a type of forest grows.



2\_\_\_\_\_

\_[2]

(b) **Study** the climate graph below. It is for the town of Pitea in Sweden. Pitea is located on the world map opposite.



For Examiner's Use

Feature	Way it helps
Thick bark	
Long roots	
Tall thin shape	

(c) Study the map below. It shows the pH of rain falling on Pitea and the countries of Scandinavia. (pH is a measure of acidity)



Scandinavia = Norway, Sweden, Finland and Denmark



- (i) **Complete on the map** the line showing a pH value of 4.5 in Scandinavia. [1]
- (ii) Circle below the direction of the prevailing wind marked on the map.

South easterly	North westerly	South westerly	North easterly	
				[1]



(e) Look at the diagram below. It shows the food web for the ecosystem around Pitea.



# (f) CASE STUDY: Managing an ecosystem for sustainability.

Name and locate an ecosystem you have studied. **Describe** the ecosystem and **explain** how it has been **managed** so that it is sustainable.

(i)	Name of ecosystem
	Location of ecosystem
(ii)	Describe the ecosystem.
(111)	<b>Explain</b> how the ecosystem has been <b>managed</b> so that it is sustainable
()	
	[5]
	Total mark 30
	End of Question A2

#### For Examiner's Use

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## **SECTION B**

# WATER, LANDFORMS AND PEOPLE

Answer EITHER Question B3 OR Question B4.

## **Question B3**

(a) Study the diagram below. It shows part of a drainage basin.



(i) **Complete** the table below by placing a number from the diagram next to the correct term.

Number
6

[3]

(ii)	Name <b>one</b> flow and <b>one</b> store shown on the diagram.	
------	-----------------------------------------------------------------	--

	One flow is		
	One store is	[2]	
(iii)	Describe three ways in which the movement of water may chang were cut down.	ge if the trees	
	First way		
	Second way		
	Third way		
		[3]	
(b) Stu 199	idy the map on the Resource Sheet. It shows an area of China wh 97.	ich flooded in	
(i)	What is the direction of flow of the Ussuri River?		
	The Ussuri River flows in a direction.	[1]	
(ii)	The Ussuri River flooded. Name another river on the map that floode	ed.	
	The River.	[1]	
(iii)	(iii) Circle one of the figures below to show the length of river that flooded to the eas Harbin City.		
	100 200 300 400 kilometres	[1]	
(iv)	Suggest two reasons for the flooding. Use evidence from the map to	o help.	
	First Reason		
	Second Decoop		
		[4]	



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[2]

	(iv)	Explain why there was a delay between peak rainfall and peak river flow.	
			[2]
d)	<b>Sug</b> give	<b>Igest</b> what people and organisations might do to protect property when they in a flood warning.	are
			[4]
e)	CAS	SE STUDY: Water shortages and a sustainable water supply.	
	<b>Nar</b> sho	<b>ne</b> a place that has experienced a <b>water shortage</b> . <b>Describe</b> what caused rtage and <b>explain</b> what could be done to provide a <b>sustainable</b> water supply.	the
	(i)	Name of place	
	(ii)	Describe how the water shortage affected people.	
	(iii)	Explain what could be done to provide a sustainable water supply.	
			[5]
		Total mark	<b>x</b> 3(

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#### **End of Question B3**

Answer **EITHER** Question B3 **OR** Question B4.

#### **Question B4**

(a) Study the Ordnance Survey (OS) Map Extract. It shows part of the Yorkshire coast.

(i) Give **four figure** grid references for:

	Ulrome Sands	Grid reference		
	South Cliff at Hornsea	Grid reference	_[2]	
(ii)	ii) Give the direction of longshore drift between these two places.			
	Fromt	0	[1]	

(b) There was a cliff collapse at **point D** on the map in 1997.

- (i) Give a six figure grid reference for **point D**.
  - Grid ref \_\_\_\_\_ [1]
- (ii) What is meant by 'erosion'?
- (iii) Describe what would happen to the material which is eroded at point D.

- \_\_\_\_\_ [2]
- (c) Study **Photograph A** on the **Resource Sheet**. It shows the area of collapsed cliff at point D on the map.
  - (i) **Describe** the photograph using the following headings:

cliff:	
location of house	
	[4]

		First way:
		Second way:
		[4]
(d)	The	local council has protected the cliff at Hornsea.
	The Part	protected area is shown between points S and T on the map. of it is also shown on Photograph B on the Resource Sheet.
	(i)	What is the length of the protected area?
		kilometres. [1]
	(ii)	List two ways the local council has used to protect the area of coast shown in the photograph. Explain how each might protect the coast.
		First way
		How it might protect the coast
		Second way
		How it might protect the coast
		[4]
	(iii)	Suggest why the local council has protected the coast at Hornsea.
		[4]

(e)	CAS	CASE STUDY: A landform created by a river.				
	Nar	Name and locate a landform created by a river.				
	Describe the landform and explain how it was created.					
	(i) Name of landform:					
		Where is this landform?				
	(ii) <b>Describe</b> the landform. Use maps and diagrams if you wish					

(iii) Explain how it was formed by the river.

\_\_\_\_\_ [5]

**Total mark 30** 

End of Question B4

#### **SECTION C**

21

#### PEOPLE, WORK AND DEVELOPMENT

Answer EITHER Question C5 OR Question C6.

#### **Question C5**

(a) The line D-D on the world map below divides the world into MEDCs (More Economically Developed Countries) and LEDCs (Less Economically Developed Countries)



(i) Look at the map above. **Tick** the boxes in the table below to show whether each named country is an LEDC or an MEDC.

The USA has been done for you.

Country	LEDC	MEDC
USA		~
China		
Senegal		
France		

[2]

(ii) The table below shows information about these four countries.

		Percentage of population living in urban areas	Children per woman	Life expectancy (years)	Percentage working in primary industry
U	SA	75	2.0	76	3
Ch	nina	33	2.4	58	72
Fra	ance	74	1.9	73	8
Sen	negal	38	6.2	48	80
F	Feature	2			
- f f F	<b>Descri</b> l from th <b>Explai</b> l First dif	<b>be two</b> differences e table. <b>n</b> why they are differ fference	between MEDC: ent.	s and LEDCs. You	may use evidenc
- f E F	Descri from th Explain First dif Why it i	<b>be two</b> differences e table. <b>n</b> why they are difference fference	between MEDC:	s and LEDCs. You	may use evidenc
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	Descril from th Explain First dif Why it i Second	be two differences e table. n why they are difference fference is different d difference	between MEDC:	s and LEDCs. You	[2

(b) Look at the map below. It shows life expectancy in part of Africa.



Life expectancy in North Africa (1996)

[4]

- (iv) Suggest two reasons to explain why some countries have a lower life expectancy than others. First reason \_\_\_\_ Second reason \_\_\_\_\_ (c) Look at the two graphs below. They show the population structure in Senegal and France. Population structure in Senegal Population structure in France An MEDC An LEDC Age group 70+ 61-70 51-60 41-50 31-40 21-30 11-20 0-10 20% 15% 10% 5% 0 5% 10% 15% 20% 10% 5% 5% 0% 10% Male Female Female Male
  - (i) Complete the graph for Senegal using the following information.

(57%)

(43%)

Country	Age group	Sex	Percentage
Senegal	0-10 years	Female	17

[1]

(47%)

(53%)

<ul> <li>(ii) Describe how Senegal and France are different in terms of:</li> <li>population below the age of 20</li></ul>		25
population below the age of 20	ii)	Describe how Senegal and France are different in terms of:
population over the age of 50		population below the age of 20
[2] iii) Explain how trade or aid from MEDCs could help Senegal improve the quality of life of its people. [5] CASE STUDY: Changes in job opportunities outside the United Kingdom (UK). Name a country or region outside the United Kingdom (UK). For your named country or region, describe how job opportunities have changed and explain how these changes have affected people. [1] Describe how job opportunities have changed. [2] [3] [3] [4] [5] [5] [5] [5] [5] [5] [5] [5] [5] [5		population over the age of 50
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these changes have affected people	

Answer EITHER Question C5 OR Question C6.

## **Question C6**

(a) South Korea is a Less Economically Developed Country (LEDC). Look at the pie charts below.

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Tertiary work

(i) Use information from **Pie Chart A** to complete the table below.

	Primary work	Secondary work	Tertiary work	Total percentage
South Korea	15			100
United Kingdom (UK)	3	37	60	100

- [2]
- (ii) **Describe two** differences between the figures for South Korea and those for the UK.

First difference:

Second difference:

[2]

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(iii)	What do you understand by:	Use
	primary work?	
	secondary work?	
	tertiary work?	
	[3]	

(b) Manufacturing companies from South Korea are building factories abroad.

Study the world map below. It shows where Samsung has built factories. Samsung is an example of a multi-national company based in South Korea. (Multi-national companies are also known as trans-national companies or TNCs.)



Where Samsung factories are located

(ii) Circle below the type of work that Samsung does.

PRIMARY	SECONDARY	TERTIARY	[1]
---------	-----------	----------	-----

For

[1]

(iii) From the world map describe the distribution of Samsung factories across the world.

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[2]

(c) Look at the map below. It shows where a Samsung factory has been built in the UK.



Acknowledgement: Tees Valley Development Company

(i) Use map evidence to give two reasons why Samsung chose to locate at Wynyard Park. First reason: \_\_\_\_\_

Second reason: \_\_\_\_\_ [4]

(ii) Suggest how the building of the Samsung factory could have brought disadvantages for the environment and for local people.

		Disadvantages for the environment:
Disadvantages for local people: Disadvantages for local people: CASE STUDY: The location of a primary or tertiary economic activity. Name and locate a primary or tertiary activity. (e.g. a farm, a mine, a tourist resort, shopping centre.) For your chosen activity, describe its location and explain why it is located there. (i) Name of primary or tertiary activity. (ii) Describe its location. (Use maps or diagrams if you wish.)		
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	(ii)	<b>Describe</b> its location. (Use maps or diagrams if you wish.)
	()	

(iii) **Explain** why this economic activity is located there.

\_\_\_\_\_ [5] Total mark 30

**End of Question C6** 

If you use the following lines to complete an answer to any question the question number MUST be clearly shown.



For


