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Candidate Signature		ire						



General Certificate of Education June 2005 Advanced Subsidiary Examination

GEOGRAPHY (SPECIFICATION A) Unit 3 Geographical Skills

GGA3



Friday 27 May 2005 Afternoon Session

In addition to this paper you will require:

the resource booklet (enclosed).

You may use a calculator.

Time allowed: 1 hour

Instructions

- Use blue or black ink or ball-point pen. You may use pencil for maps, diagrams and graphs.
- Fill in the boxes at the top of this page.
- Answer **one** question, **either** Question 1 in Section A, **or** Question 2 in Section B.
- Do all rough work in this book. Cross through any work you do not want marked.

Information

- The maximum mark for this paper is 50.
- Mark allocations are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be assessed on your ability to use an appropriate form and style of writing, to organise relevant information clearly and coherently, and to use specialist vocabulary, where appropriate.
- The degree of legibility of your handwriting and the level of accuracy of your spelling, punctuation and grammar will also be taken into account.

Advice

• Where appropriate, credit will be given for the use of diagrams and where reference is made to your personal investigative work.

For Examiner's Use					
Number	Mark	Number	Mark		
1					
2					
Total (Column	1)	→			
Total → (Column 2)					
TOTAL					
Examiner	Examiner's Initials				

S301805(43)/0205/GGA3 6/6/6 GGA3

Answer one question, either Question 1 in Section A, or Question 2 in Section B.

SECTION A

Answer all parts of the question in the spaces provided.

The Physical Environment

Title: Rivers - Natural systems and the impact of human interference.

- 1 (a) Study **Figure 1a** which shows Southampton's climate and **Figure 1b** which shows the discharge of the nearby River Stour for 1997.
 - (i) Complete **Figures 1a** and **1b** by adding the following information.

Month	Precipitation (mm)	Average temperature (° C)	Discharge (cumecs)
December	84	6	25

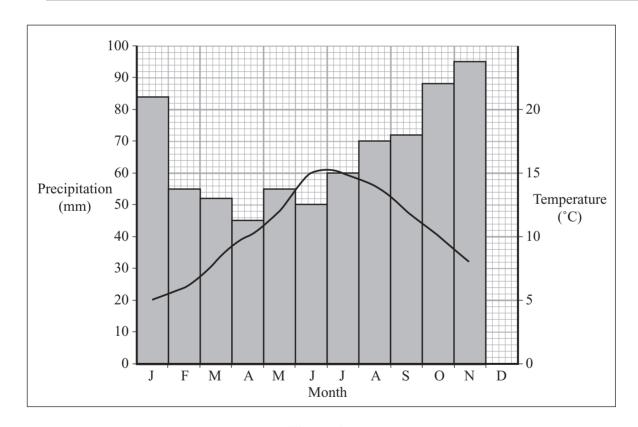


Figure 1a

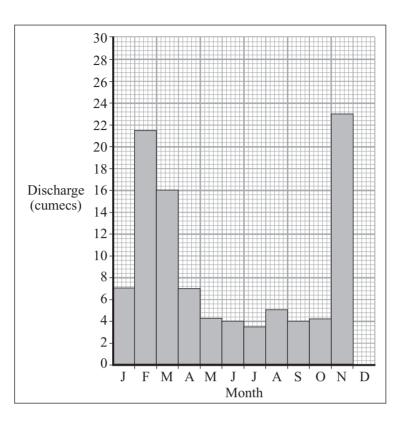


Figure 1b

(3 marks)

(ii)	To what extent does the discharge of the River Stour reflect the climate shown in Figure 1a ?
	(6 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

Turn over ▶

(b)	Figure 2 (<i>resource booklet</i>) is a photograph of part of the drainage basin of Sour Milk Ghyll in the Lake District.
	With specific reference to Figure 2 , identify the factors likely to affect the discharge of the stream and outline how they will affect it.
	(8 marks)

(c) **Figure 3** (*resource booklet*) is a photograph of potholes, a common feature of river channels in their upper course.

Figure 4 is a black and white photocopy of Figure 3.

Label Figure 4 to show the characteristics of the landform and how it developed.

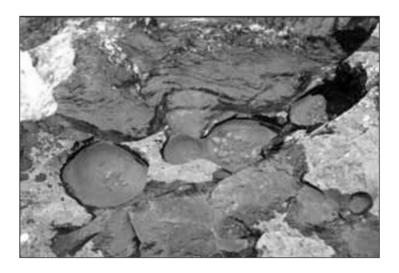


Figure 4

(6 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

(d)	Study Figure 5 (<i>resource booklet</i>), the Ordnance Survey map extract of Wensleydale.
	Contrast the valley and channel of Gill Beck (from grid reference 962877 to its confluence with the River Ure at 993891) with that of the River Ure (from 960904 to 027892).
	(9 marks)

(r	Comment on the economic, political and environmental issues raised in Figure 6 wheesult from people interfering in the natural system.
•	
•	
•	
•	
•	

QUESTION 1 CONTINUES ON THE NEXT PAGE

You	have experienced geography fieldwork as part of the course.
(i)	For any geography fieldwork study you have undertaken (either physical or human), briefly outline its aim and one hypothesis you sought to test.
	Aim
	Hypothesis
	(3 marks)
(ii)	For one item of primary data you collected for the study in $(f)(i)$, briefly outline how it was collected and the advantages of the method used.
	(5 marks)



(f)

NO QUESTIONS APPEAR ON THIS PAGE

TURN OVER FOR THE NEXT QUESTION

Do not answer this section if you have answered Question 1 in Section A.

SECTION B

Answer all parts of the question in the spaces provided.

The Human Environment

Title: Suburbanisation

2 (a) **Figure 7** shows the number of new houses needed in England by 2016.

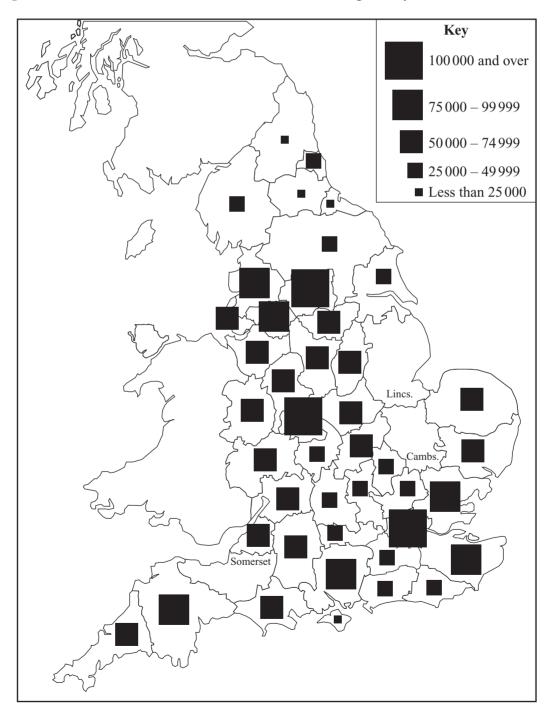


Figure 7

(i) Complete Figure 7 by adding the information below.

County	New houses needed by 2016
Lincolnshire	84 050
Cambridgeshire	74 000
Somerset	50 000

(3 marks)

ii)	Describe and suggest reasons for the pattern shown in Figure 7 .
	(8 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

(b) Study **Figures 8a** and **8b** (*resource booklet*), the Ordnance Survey map extracts of Ipswich in 1988 and 2004.

Figure 9 is a photocopy of Figure 8b.

(i) Label **Figure 9** to show the variety of changes which have taken place in the rural—urban fringe.

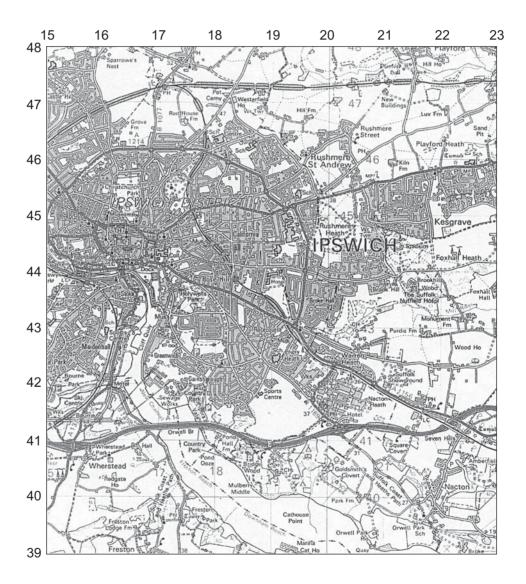


Figure 9

(ii)	The former site of Ipswich Airport is found in grid squares 1841 and 1941.
	With specific reference to Figure 8b , outline and comment on the desirability of the former airport site for development.
	(8 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

111)	figure 10 (resource booklet) shows the proposals for the development of the former Ipswich Airport site and surrounding features.
	Assess the extent to which this new development and its northern and north-eastern neighbours address residential, economic, service and environmental needs.
	(8 marks)

(c)	Figures 11a and 11b (<i>resource booklet</i>) are from a newspaper article relating to contrasting views about development of greenfield sites.
	Identify and comment on the contrasting opinions, values and attitudes of different individuals and groups regarding the development of greenfield sites considered in Figures 11a and 11b .
	(9 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

(ii) For one item of primary data you collected for the study in (d)(i), briefly outline how it was collected and the advantages of the method used. (5 marks) END OF QUESTIONS CKNOWLEDGEMENT OF COPYRIGHT-HOLDERS AND PUBLISHERS ermission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright owners have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgement in future if notified. uestion 1: Figures 1a & 1b: Issue 234, GeoActive Online, Steve Richardson (Nelson Thornes). uestion 2: Figures 3 & 4: Reproduced from Ordnance Survey mapping on behalf of Her Majesty's Stationery Office © Crown Copyright unsuits on 2: Figures 8, 8b & 9: Reproduced from Ordnance Survey mapping on behalf of Her Majesty's Stationery Office © Crown Copyright unsuits on 2: Figures 8, 8b & 9: Reproduced from Ordnance Survey mapping on behalf of Her Majesty's Stationery Office © Crown Copyright 100041328, 2004.	(d)	You have experienced geography fieldwork as part of the course.			
Hypothesis					
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 $\left(\frac{}{50} \right)$

Figure 7:

Figure 10:

Figure 11:

Question 2:

Question 2:

Question 2: