

Surname						Other Names					
Centre Number						Candidate Number					
Candidate Signature											

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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.

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

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.

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

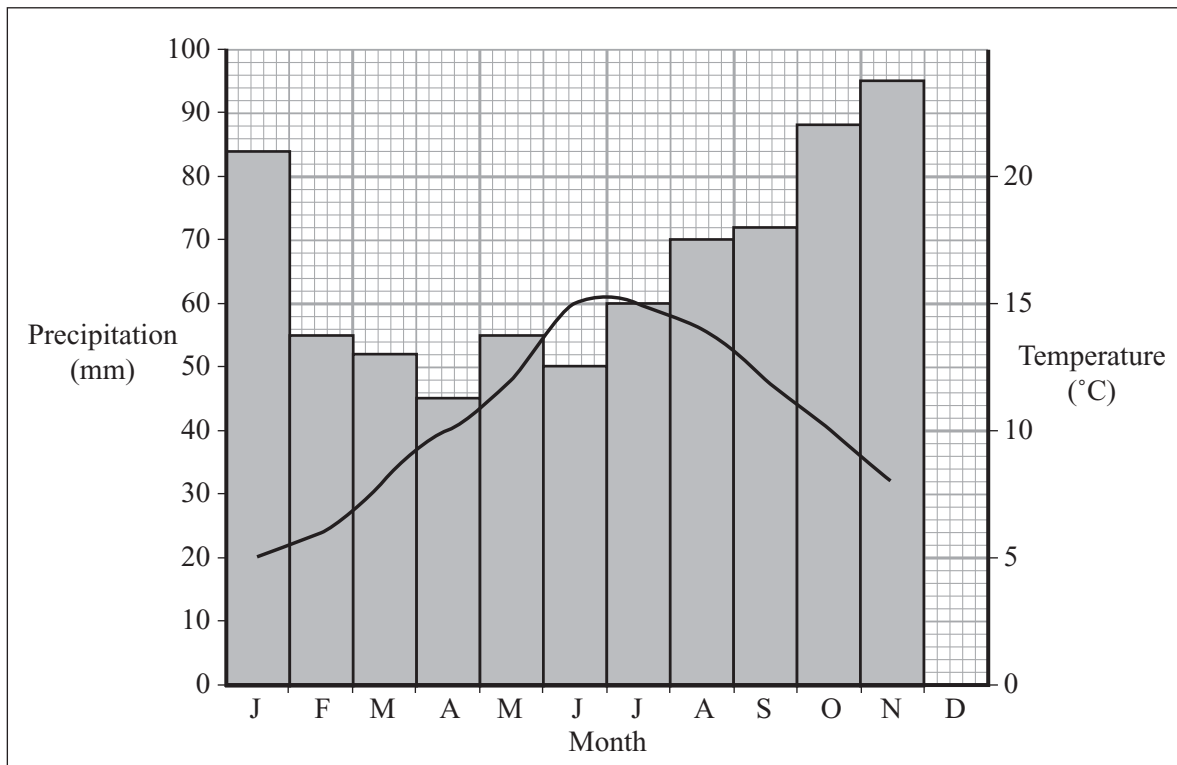


Figure 1a

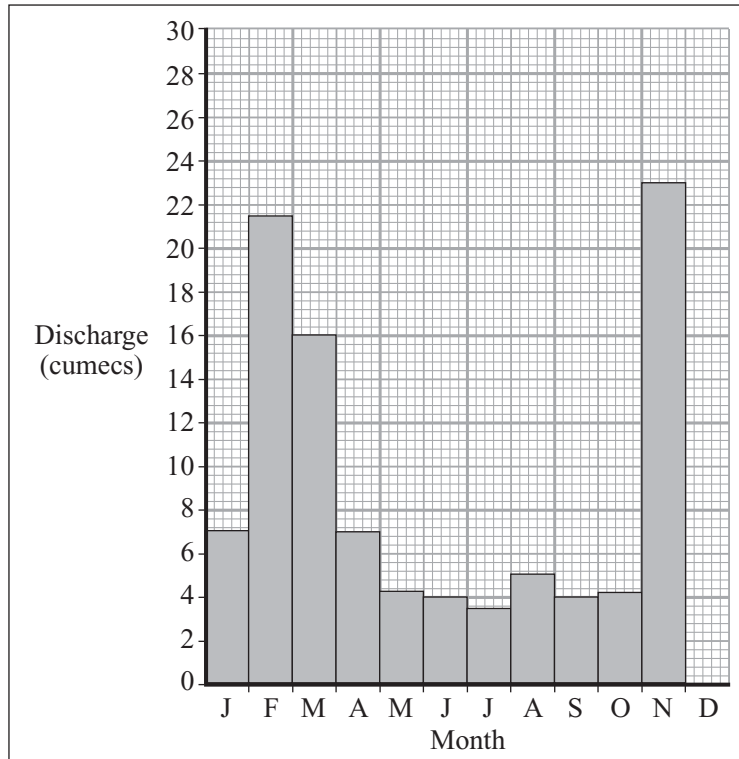


Figure 1b

(3 marks)

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

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(6 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

Turn over ►

- (b) **Figure 2** (*resource booklet*) 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.

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(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.

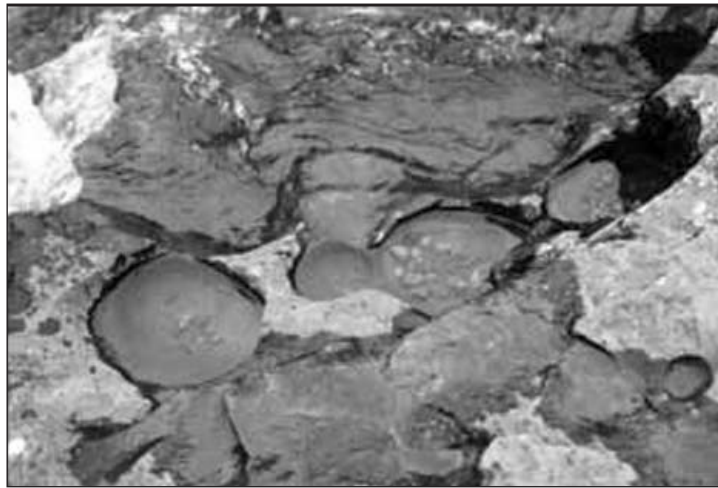


Figure 4

(6 marks)

QUESTION 1 CONTINUES ON THE NEXT PAGE

Turn over ►

(d) Study **Figure 5** (*resource booklet*), 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).

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(9 marks)

(f) 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

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Hypothesis

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(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.

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(5 marks)

NO QUESTIONS APPEAR ON THIS PAGE

TURN OVER FOR THE NEXT QUESTION

Turn over ►

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.

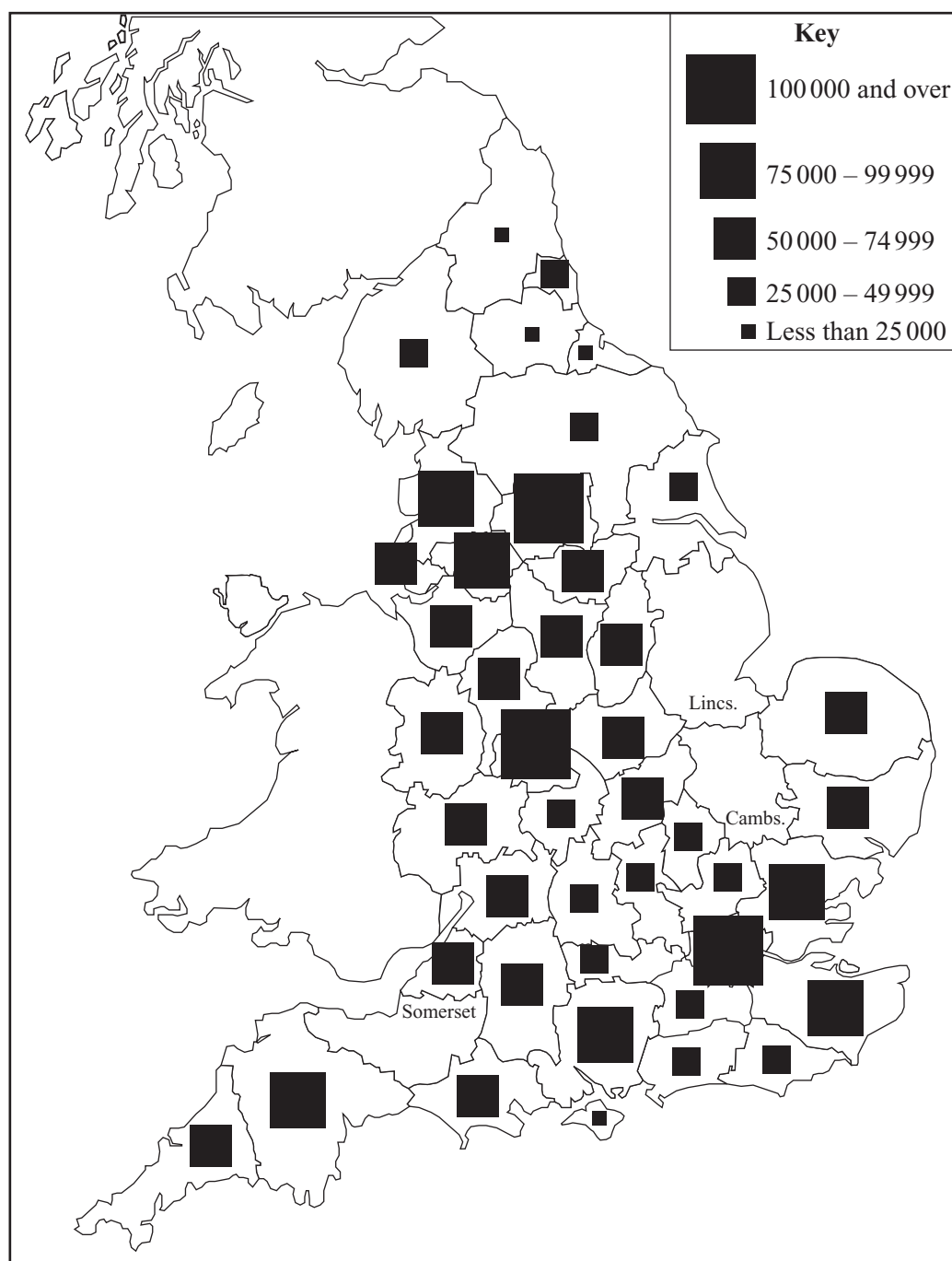


Figure 7

- (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**.

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(8 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

Turn over ►

- (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.

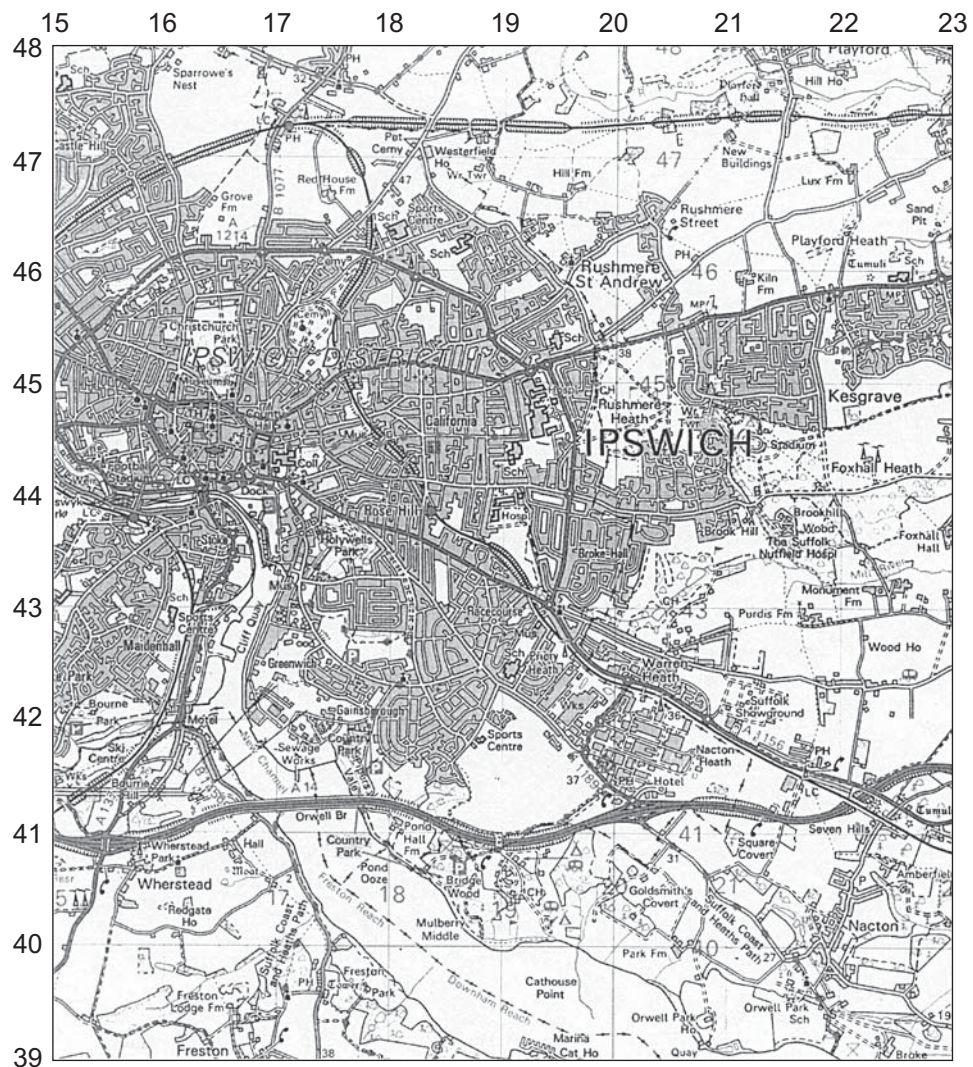


Figure 9

(6 marks)

(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.

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(8 marks)

QUESTION 2 CONTINUES ON THE NEXT PAGE

Turn over ►

(d) 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

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Hypothesis

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(3 marks)

(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.

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(5 marks)

END OF QUESTIONS

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