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Centre Number		Candidate Number	
Candidate Signature			

For Examiner's Use
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General Certificate of Education  
June 2008  
Advanced Subsidiary Examination



**GEOGRAPHY (SPECIFICATION A)**  
**Unit 3 Geographical Skills**

**GGA3**

Tuesday 20 May 2008 1.30 pm to 2.30 pm

<p><b>For this paper you must have:</b></p> <ul style="list-style-type: none"> <li>the resource booklet (enclosed).</li> </ul> <p>You may use a calculator.</p>
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For Examiner's Use			
Question	Mark	Question	Mark
1			
2			
Total (Column 1)		→	
Total (Column 2)		→	
TOTAL			
Examiner's Initials			

Time allowed: 1 hour

**Instructions**

- Use black ink or black 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 to be marked.
- You must answer the questions in the spaces provided. Answers written in margins or on blank pages will not be marked.

**Information**

- The maximum mark for this paper is 50.
- The marks for questions are shown in brackets.
- You are expected to use a calculator where appropriate.
- You will be marked 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 legibility of your handwriting and the accuracy of your spelling, punctuation and grammar will also be considered.

**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: River discharge, landforms and management**

- 1** (a) **Figure 1** (resource booklet) shows average annual precipitation, runoff and discharge for selected drainage basins in Britain.  
Outline the relationship between precipitation, runoff and discharge shown in **Figure 1**.

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*(6 marks)*



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**DO NOT WRITE ON THIS PAGE  
ANSWER IN THE SPACES PROVIDED**

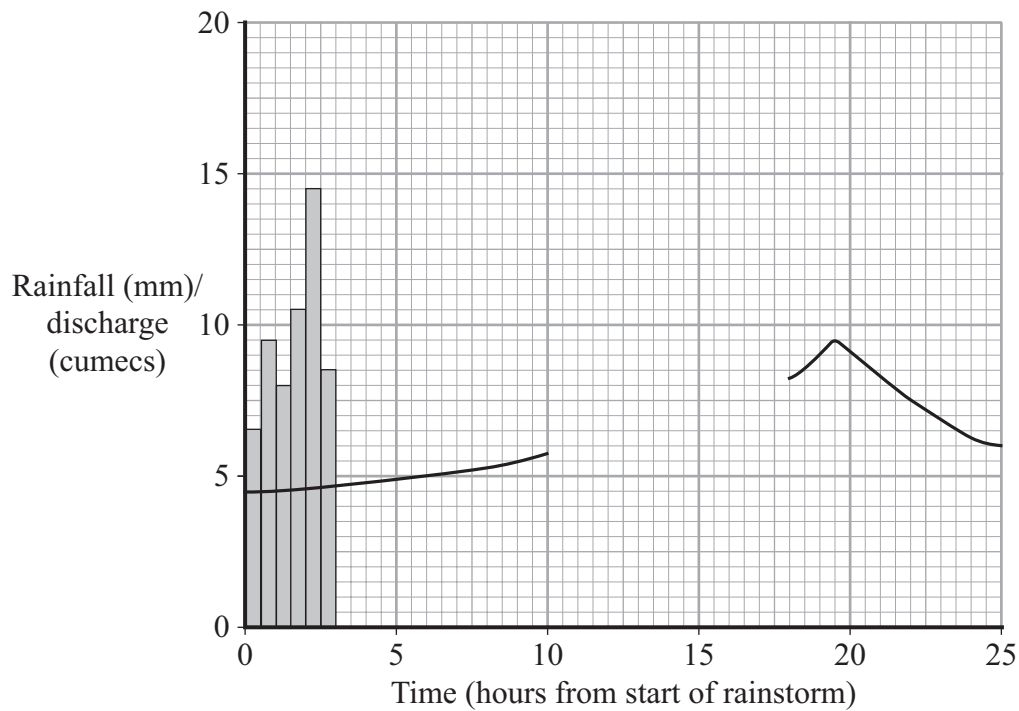
**Question 1 continues on the next page**

**Turn over** ►



- 1 (b) **Figure 2a** is a partly completed flood hydrograph for Clapham Beck, a stream in the Yorkshire Dales.

**Figure 2a**



- 1 (b) (i) Complete **Figure 2a** by adding the information below.

Hours from start of rainstorm	Rainfall (mm)
3-3.5	5.5
3.5-4	4.0

Hours from start of rainstorm	Discharge (cumecs)
12	6.25
16	7.0

(4 marks)





1 (c) **Figure 3** (resource booklet) is a photograph of a river landform in the upper course.

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

Label **Figure 4** to show the characteristics of the channel and the landform.

**Figure 4**



*(6 marks)*









**1 (f) (i)** You have experienced geography fieldwork as part of the course.  
For **any** geography fieldwork study that you have undertaken (either physical  
or human), state its aim and **one** hypothesis that was tested.

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*(3 marks)*

**1 (f) (ii)** For **one** item of primary data you collected for the study in (f)(i), briefly  
describe the method of data collection and assess its advantages and/or  
disadvantages.

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*(5 marks)*

**50**

**End of Section A**

**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: Settlements, hierarchies and spheres of influence

- 2 (a) **Figure 7** (resource booklet) is a photographically reduced 1:50 000 Ordnance Survey map extract showing part of East Anglia.  
**Figure 8** partly shows the services present in four settlements. These are in sequence, beginning with the lowest order settlement and service.

**Figure 8**

Settlement (grid reference)	Services indicated on the OS map
Littlebury Green (4838)	Phone box, church
Littlebury (5139)	Church, post office, pub
Great Chesterford (5042)	2 churches, post office, pub, railway station
Saffron Walden (5438)	8 churches

- 2 (a) (i) Complete **Figure 8** by adding the rest of the information for Saffron Walden.  
(4 marks)



2 (a) (ii) Outline the advantages and disadvantages of this method of identifying service provision and ordering settlements.

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(6 marks)

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2 (a) (iii) With specific reference to evidence from **Figure 7**, outline the factors likely to affect the size and shape of the sphere of influence of Saffron Walden in the area shown on the map.

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*(8 marks)*



- 2 (b) **Figure 9** (resource booklet) gives information on the characteristics of the visitors to the Trafford Centre, an out-of-town retail centre.  
Summarise and comment on the characteristics of the visitors.

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(8 marks)

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- 2 (c) (i) **Figure 10** (resource booklet) is an image of Victoria Square, a regeneration project planned for Belfast's city centre.

**Figure 11** is a black and white photocopy of **Figure 10**.

Label **Figure 11** to show the characteristics of the buildings and the environment.

**Figure 11**



(6 marks)



**2 (c) (ii) Figure 12** (resource booklet) describes the Victoria Square development and its likely impact.

Outline and comment on the likely economic, social and environmental advantages and disadvantages of this regeneration project.

Dotted lines for writing response

(10 marks)

Question 2 continues on the next page

Turn over ▶



2 (d) (i) You have experienced geography fieldwork as part of the course.  
For **any** geography fieldwork study that you have undertaken (either physical  
or human), state its aim and **one** hypothesis that was tested.

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(3 marks)

2 (d) (ii) For **one** item of primary data you collected for the study in (d)(i), briefly  
describe the method of data collection and assess its advantages and/or  
disadvantages.

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(5 marks)

**50**

**END OF QUESTIONS**

