Specification Specification



ADVANCED SUBSIDIARY (AS)
General Certificate of Education
January 2009

Geography

Assessment Unit AS 1

assessing

Physical Geography

[AG111]

MONDAY 26 JANUARY, AFTERNOON

TIME

1 hour 30 minutes.

INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.

Section A: candidates must answer this section.

Section B: answer all three questions in this section.

You should write your answers for Section A and Section B in the spaces provided in this question paper.

Section C: answer any **two** questions from this section. Write your answers to Section C on the lined paper at the end of this booklet.

At the end of the examination your summary of fieldwork and table of data should be attached securely to this paper using the treasury tag supplied.

INFORMATION FOR CANDIDATES

The total mark for this paper is 90.

Quality of written communication will be assessed in **all** questions. Figures in brackets printed down the right-hand side of the pages indicate the marks awarded to each question or part question.

	miner's only
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	

SHILDEN BOUNTY COM

Total Marks	

4977.02



BLANK PAGE

Section A

Answer this section

Submitted summary of fieldwork and table of data.

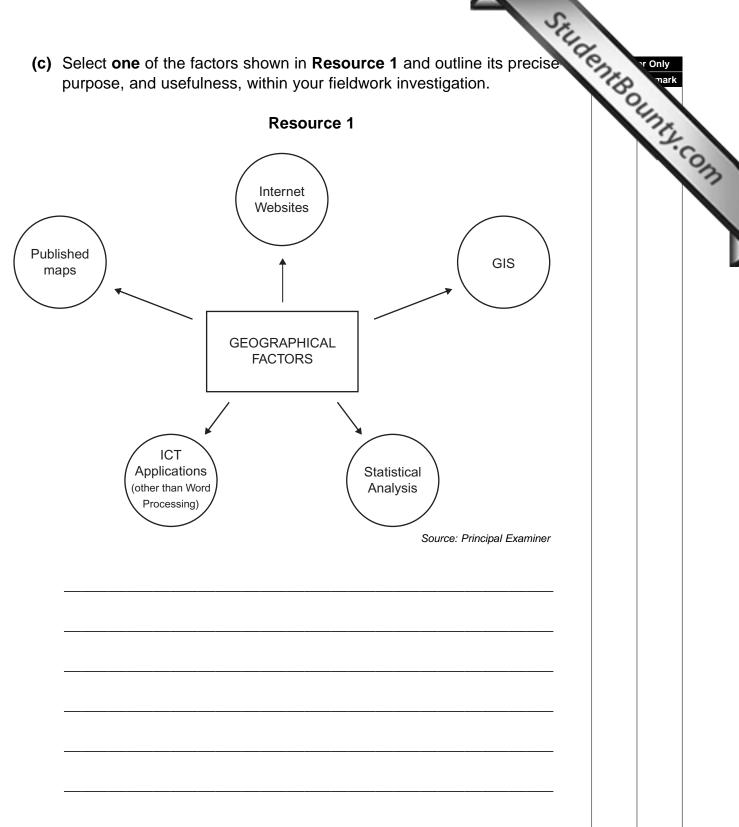
At the end of the examination these should be attached securely to this paper using the treasury tag supplied.

(a)	"Representative data collection generally requires a consideration of both sampling method and sample size." Discuss this statement with reference to your fieldwork.		
	[6]		

Shinden Ar Only mark

1

(b)	Describe one primary data collection method used in your fieldwor	k 📝	MAG
	and comment on its usefulness in providing reliable data.		8
			4
		[4]	



_ [4]

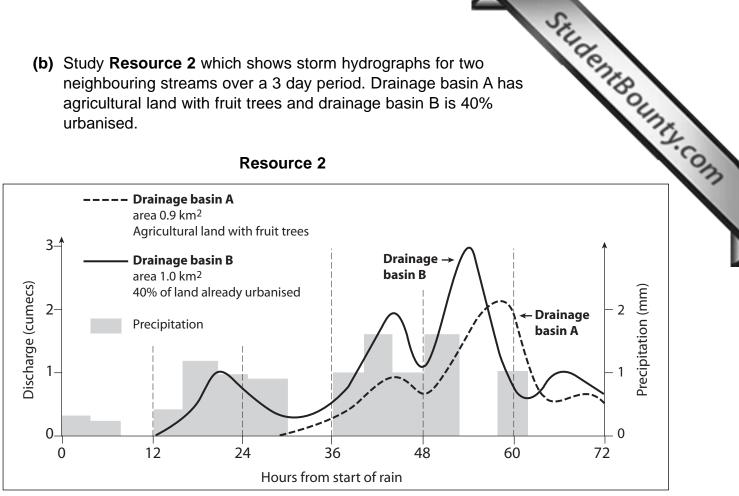
Student Bounts, com Title of Graph:

4977.02

	Answer all three questions in this section.		OH	/
a) (i)	In the box below, draw and annotate a diagram to show the formation of a waterfall.	Stude	13	7.00
		[4]		
(ii)	Explain what happens to the position of this feature over time.			
` '				

(b) Study Resource 2 which shows storm hydrographs for two neighbouring streams over a 3 day period. Drainage basin A has agricultural land with fruit trees and drainage basin B is 40% urbanised.

Resource 2



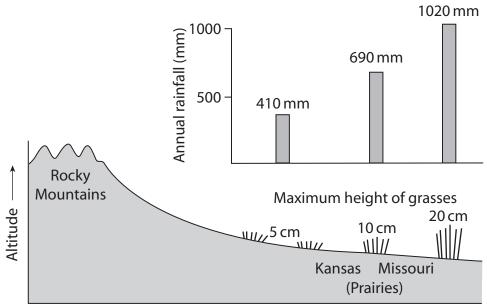
© Rivers and Coasts by Bob Horden, 2006, ISBN 1844892042. Reproduced by permission of Philip Allan Updates Ltd.

the storm ev	ent on both	streams.		

	Marks	Remark	
_			
_			
_			
_			
_			
_			
_			
_			
_			
_			
_			
[6]			
	[Turi	n over	

Examiner Only

Resource 3



© Earth, the living planet by Michael Bradshaw, 1977, ISBN 0340123753. Reproduced by permission of Hodder & Stoughton Ltd.

Using Resource 3, describe the relationship between grass height and annual rainfall.

(d) Explain why grasses are the dominant plant species (climatic climax vegetation) in areas of mid-latitude grasslands.

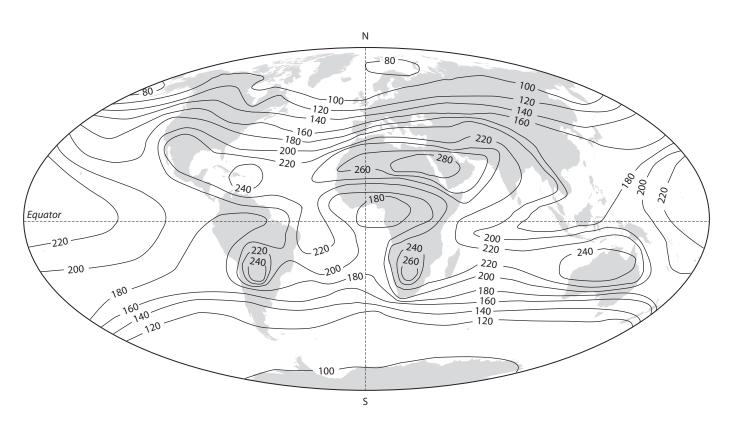
[3]

Homework Help & Pastpapers

_____[3]

(b) Study **Resource 4** which shows the average annual amount of incoming solar radiation received at the earth's surface.

Resource 4



—— 140 ——— Solar radiation at ground level (Wm⁻²)

© Atmospheric Processes and Human Influence by Paul Warburton, 1995, ISBN 0003266850. Reprinted by permission of HarperCollins Publishers Ltd. http://harpercollins.co.uk

Section C

Answer any two questions in this section.

- Stringent Bounty.com 5 "The beneficial effects of flooding usually outweigh the detrimental effects." Discuss this statement with reference to the large scale drainage basin or delta you have studied.
- Describe the physical characteristics of a small scale ecosystem you have 6 studied and discuss how energy moves through the ecosystem. [12]
- 7 With the aid of a diagram, describe the structure of a mid-latitude frontal depression. Explain the weather it produces and discuss its impact on people. [12]

Question Number	Number your answers clearly
	Number your answers clearly
	

Question Number	Number your answers clearly
	Number your answers clearly
	

Question Number	Number your answers clearly
	Number your answers clearly
	

20

Question Number	Number your answers clearly
	Number your answers clearly
	

23 www.StudentBounty.com Homework Help & Pastpapers

Student Bounts, com

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright holders may have been unsuccessful and CCEA will be happy to rectify any omissions of acknowledgement in future if notified.