

# Mark Scheme (Results)

June 2011

GCSE Geography A 5GA1F  
Geographical Skills

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You can also telephone 0844 372 2185 to speak to a member of our subject advisor team.

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## General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.
- Mark schemes will indicate within the table where, and which strands of QWC, are being assessed. The strands are as follows:

*i) ensure that text is legible and that spelling, punctuation and grammar are accurate so that meaning is clear*

*ii) select and use a form and style of writing appropriate to purpose and to complex subject matter*

*iii) organise information clearly and coherently, using specialist vocabulary when appropriate.*

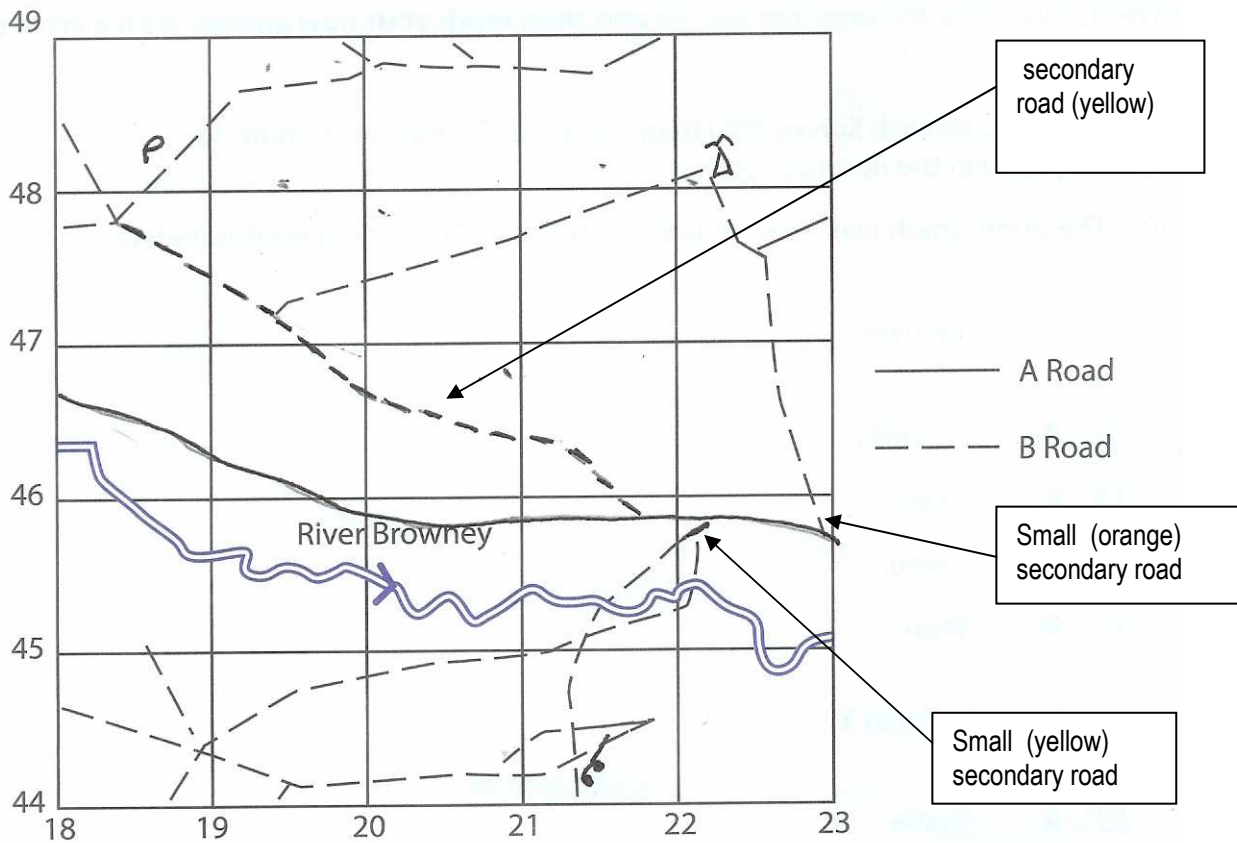
Question Number	Acceptable Answers	Reject	Mark
1(a)(i)1	Wear		1

Question Number	Acceptable Answers	Reject	Mark
1(a)(i)2	Cathedral		1

Question Number	Acceptable Answers	Reject	Mark
1(b)	One mark per reason. Reasons could include: defence (1), water supply(1), transport / access for boats(1)		2

Question Number	Acceptable Answers	Reject	Mark
1(c)(i)	Features should be within 2 mm of correct place shown on sketch map. 1 mark for each correctly located symbol. See sketch map below. Telephone should be in the triangle produced by the roads or a line to there drawn from the symbol. Mast should be touching or above the corner of the B road. Look for daylight from grid line 48. Must be correct symbol.		3

Question Number	Acceptable Answers	Reject	Mark
1(c)(ii)	1 mark for correct location of each road. Secondary road can be in any of the places shown below.		2



Question Number	Acceptable Answers	Reject	Mark
1(c)(iii)	1 mark per correct gap fill. The river is flowing through a mixed wood at 100 metres above sea level. The river is flowing in a south east direction in grid square 1845. In grid square 1945 a footpath crosses the river. In grid square 2045 the river starts to bend.		5

Question Number	Acceptable Answers	Reject	Mark
2(a)(i)	2 marks available. 1 for each correct plot		2

Question Number	Acceptable Answers	Reject	Mark
2(a)(ii)	A both variables can be plotted on one graph		1

Question Number	Acceptable Answers	Reject	Mark
2(a)(iii)	<input checked="" type="checkbox"/> B 6		1

Question Number	Acceptable Answers	Reject	Mark
2(a)(iv)	<input checked="" type="checkbox"/> B 6		1

Question Number	Acceptable Answers	Reject	Mark
2(a)(v)	One mark for each point. Reserve one mark for data. Max 2 if no data. Data / number must have unit (cm) to be awarded the mark. The river becomes deeper (1) as it moves from site 1 to site 10, it increases from 10cm to 86cm (1).		3

Question Number	Acceptable Answers	Reject	Mark
2(b)(i)	1 mark for naming the technique. Answers could range from data loggers to questionnaires or answer grids produced on excel or word. Transfer description marks from bi into bii. The items are clipped together.		1

Question Number	Acceptable Answers	Reject	Mark
2(b)(ii)	Answer must relate to technique mentioned in part (i). A questionnaire can be used to find out primary data. (1) using ICT to produce the questionnaire means it is clearly and accurately presented to the interviewee (1).		2

Question Number	Acceptable Answers	Reject	Mark
3(a)(i)	4%		1

Question Number	Acceptable Answers	Reject	Mark
3(a)(ii)	\$90 billion		1

Question Number	Acceptable Answers	Reject	Mark
3(a)(iii)	less carbon dioxide is taken out of the atmosphere less oxygen is released into the atmosphere		2

Question Number	Acceptable Answers	Reject	Mark
3(a)(iv)	1 mark per correct gap fill. If global temperatures rise countries such as the Maldives will be flooded because of a rise in sea level. Some countries in Africa will have longer periods without rainfall and be unable to grow crops. Other countries such as the UK will be able to grow new crops, such as bananas because the temperature will be warmer.		5

Question Number	Acceptable Answers	Reject	Mark
3(b)	One mark per point. The answers could relate to schools, local councils and interest groups. For example, 'live simply' (1) which was initiated by the Catholic Church to encourage students to make choices about how they live.(1) Resources were given to schools to make students more aware of the energy they consume. (1) Max one mark for a list or individual responses to climate change such as switch off lights / recycling. However, in a school or company this would receive more credit.		3

Question Number	Acceptable Answers	Reject	Mark
4(a)(i)	<input checked="" type="checkbox"/> C go into certain areas of a city		1

Question Number	Acceptable Answers	Reject	Mark
4(a)(ii)	<p>One mark per point</p> <ul style="list-style-type: none"> <li>• To stop congestion in city centres</li> <li>• To help stop pollution</li> <li>• To make city centres safer</li> </ul>		2

Question Number	Acceptable Answers	Reject	Mark
4(a)(iii)	<p>One mark per point.</p> <p>There will be a wide variety of answers.</p> <p>Answers should concentrate on one other scheme for example Park and Ride. They can either describe the scheme or they can locate it either answer should be credited. For example Cambridge has a park and ride scheme (1). This means that you can park your car on the outskirts of the city and get a bus into the centre(1). You do not pay to park your car (1). You do have to pay for the bus ride (1), it costs £2.20 per person (1).</p>		4



Question Number	Indicative content	
4b*	<p>Examples of rainforest areas which could be used as examples.  A variety of minerals are extracted from the Brazilian Rainforest.  The effects are</p> <ul style="list-style-type: none"> <li>• The Carajas iron ore mining project uses wood from the forest to power its pig iron plants, resulting in annual deforestation of 6100 km<sup>2</sup>.</li> <li>• Mercury is used in gold mining. The mercury is very toxic and is found in high concentration in fish. 90% of all fish caught in the gold mining region surrounding the River Tapajos is contaminated with mercury. If eaten it has caused cancer and high miscarriage rates among the local tribespeople.</li> <li>• In the state of Roraima there have been conflicts between gold prospectors and the indigenous Yanomamo Indians.</li> </ul> <p>Oil is extracted from the Oriente region of Ecuador  The effects are</p> <ul style="list-style-type: none"> <li>• Toxic waste water mixed with crude oil seeps out of 600 unlined pits into the subsoil, polluting surrounding freshwater and farmland.</li> <li>• Hydrocarbons are concentrated 200 – 300 times more in the water than is permissible in water used for human consumption. Stomach cancer is five times more frequent in oil exploitation areas and there are many more miscarriages amongst indigenous people such as the Huaorani.</li> <li>• Many plants such as the periwinkle which can be used to cure childhood leukemia are now an endangered species.</li> </ul>	
Level	Mark	Descriptor
	0	No rewardable material
Level 1	1-2	A basic answer Simple descriptive statements about the effects of resource extraction. Could be about anywhere.
Level 2	3-4	A clear answer with level two being reached by there being clear information about an effect which is / was occurring in one rainforest area. The top of the level is reached by there being a number of clear statements about different rainforest areas and the effects of resource extraction. There will be no specific points.
Level 3	5-6	An explicit answer For level 3 there will be a specific point about the effects and other descriptive points. Or an explanation and a number of descriptive point. Or an explanation and a specific point. For the top of the level three there should be good explanation and a specific point.

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