

Mark Scheme (Results)

June 2011

GCSE Geography A 5GA1H
Geographical Skills

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GeographySubjectAdvisor@edexcelexperts.co.uk.

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

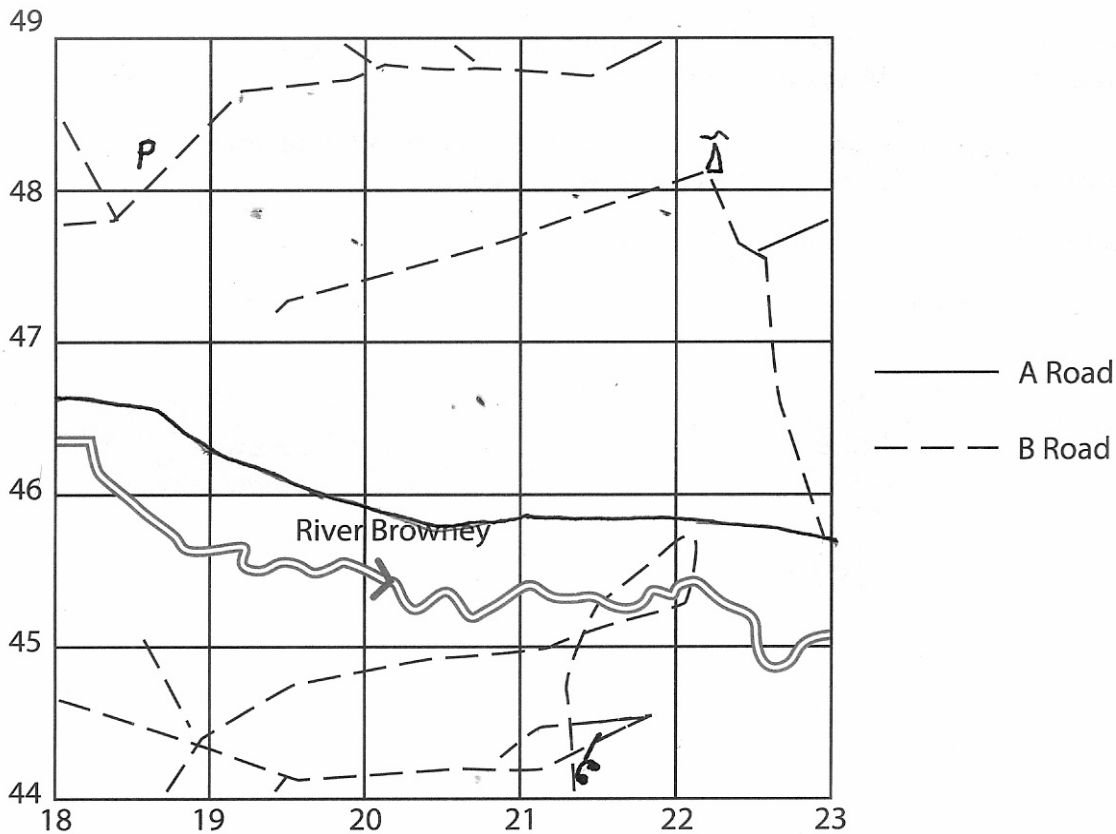
iii) organise information clearly and coherently, using specialist vocabulary when appropriate.

Question Number	Acceptable Answers	Reject	Mark
1(a)	R Ludworth S 377411, 3741, 377412. Do not allow any other six figure grid references. T Electricity transmission line, Electricity transmission (pylon)		3

Question Number	Acceptable Answers	Reject	Mark
1(b)	One mark per point. Max 2 for either site or situation. Max 1 for map evidence such as the name or the river. Max 2 if no evidence. Durham is sited in a river (meander) bend. (1) It has a river flowing through it (1) Accept appropriate reference to relief not a hill, higher ground or flat land we are looking for a reference to a slope. For example, it is on a slope(1) rises from 30m to 97m.(1) Durham is close to a motorway (1) the A1(M) (1) There is a railway line passing through (1).	No marks for explanation	3

Question Number	Acceptable Answers	Reject	Mark
1(c)(i)	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 their drawn from the symbol. Mast should be touching or above the corner of the B road Must be correct symbol. Features should be within 2 mm of correct place shown on sketch map.		3

Question Number	Acceptable Answers	Reject	Mark
1(c)(ii)	1 mark for correct location of the road.		1



Question Number	Acceptable Answers	Reject	Mark
1(c)(iii)	<p>1 mark per point. Answers should include information on the river and the valley.</p> <p>Accept both human and physical features.</p> <p>The river is flowing through a mixed wood (1) at 100 metres above sea level.(1)</p> <p>The valley floor is approximately 500 metres wide (1)</p> <p>There are a number of (meander) bends (1)</p> <p>The river is flowing in a south east direction in grid square 1845.(1)</p> <p>In grid square 1945 a footpath crosses the river.(1)</p> <p>In grid square 1945 the river has more bends. (1)</p> <p>Max 2 without map evidence.</p> <p>2 marks available for map evidence.</p>		4

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)	Answers could include – it shows a relationship (1) between two variables which can be plotted on one graph(1), correlations can be seen easily (1), accurate way of displaying data.		2

Question Number	Acceptable Answers	Reject	Mark
2(a)(iii)	One mark for each point. Max 1 for data. Data / number must have unit (cm) to be awarded the mark. Max 2 if no data. Max 3 if only width or depth described. The river becomes wider (1) as it moves from site 1 to site 10. it increases from 3m to 11.8m (1). However, site 5 is an anomaly (1) because it is wider at site 5 than site 6. (1) The depth increases from site 1 to site 6. (1)		4

Question Number	Acceptable Answers	Reject	Mark
2(b)	Answers could range from data loggers to questionnaires or answer grids produced on excel or word. Credit references to GIS / Google Earth. 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). Do not allow references to presenting data.		3

Question Number	Acceptable Answers	Reject	Mark
3(a)(i)	USA 4% + EU 20% accept 24%		1

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

Question Number	Acceptable Answers	Reject	Mark
3(a)(iii)	One mark per point. Reasons suggested could be about less carbon dioxide is taken out of the atmosphere(1) or less oxygen is released into the atmosphere (1). Or about disruption to rainfall patterns(1).		2

Question Number	Acceptable Answers	Reject	Mark
3(a)(iv)	1 mark per point. Max 2 list If global temperatures rise some countries will be flooded.(1) such as the Maldives (1) Some countries in Africa will have longer periods of drought (1) and be unable to grow crops. (1) Other answers could focus on retreating glaciers, melting ice caps.		4

Question Number	Acceptable Answers	Reject	Mark
3(b)	One mark per point. Max one mark if there are only descriptive comments or an implicit link to climate change. The answers could relate to schools, local councils and interest groups or even householders. For example, 'live simple' (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 how energy production can cause climate change. (1) By walking to school there will be less emissions.(1)		3

Question Number	Acceptable Answers	Reject	Mark
4(a)(i)	This is when motorists are charged to go into city/town centres (1). It is usually charged during times of heaviest use.(1) In London the charge is £8 / £10 (1). the charge applies during peak periods (1) Credit reference to photograph.		2

Question Number	Acceptable Answers	Reject	Mark
4(a)(ii)	One mark per point including development of a point <ul style="list-style-type: none"> • To stop congestion in city centre • To control / reduce the flow of traffic across the city • People use park and ride instead of driving into the city • To help stop pollution • To make city centres safer • To raise money 		3

Question Number	Acceptable Answers	Reject	Mark
4(a)(iii)	One mark per point. There will be a wide variety of answers. 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).		3

Question Number	Indicative content	
4b*	<p>Examples of rainforest areas which could be used.</p> <p>A variety of minerals are extracted from the Brazilian Rainforest.</p> <p>The effects are</p> <ul style="list-style-type: none"> • The Carajas iron ore mining project uses wood from the forest to power its pig iron plants, resulting in annual deforestation of 6100 km². • 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. • In the state of Roraima there have been conflicts between gold prospectors and the indigenous Yanomamo Indians. <p>Oil is extracted from the Oriente region of Ecuador</p> <p>The effects are</p> <ul style="list-style-type: none"> • Toxic waste water mixed with crude oil seeps out of 600 unlined pits into the subsoil, polluting surrounding freshwater and farmland. • 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. • Many plants such as the periwinkle which can be used to cure childhood leukemia are now an endangered species. 	
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 an explanation or a specific point. The top of the level requires at least two specific points which could be part of one or more examples or a number of explanations or a specific point and an explanation.
Level 3	5-6	An explicit answer with a range of specific and explained points which could be from different examples.

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