

Mark Scheme (Results) January 2011

GCSE

GCSE Geography (5GA1F) Paper 1

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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	Wye		1

Question Number	Acceptable Answers	Reject	Mark
1(a)(i)2	A40		1

Question Number	Acceptable Answers	Reject	Mark
1(a)(ii)	<p>Must have facility and symbol for the mark</p> <p>Car park  viewpoint</p> <p>tourist  information</p> <p>Camp site / caravan site   information</p> <p>Allow camp site and caravan site separately.</p> <p>Hotels</p> <p>Or any other tourist feature</p>		2

Question Number	Acceptable Answers	Reject	Mark
1(b)(i)	A nucleated		1

Question Number	Acceptable Answers	Reject	Mark
1(b)(ii)	Houses are built around a crossroads. Houses are grouped together.		1

Question Number	Acceptable Answers	Reject	Mark
1(b)(iii)	<p>Correct answers in bold, one mark for each.</p> <p>The village of Kings Cuple is on a hill. The highest point is 82 metres.</p> <p>It is situated in a bend of the river.</p> <p>The village of Pennoxstone is to the south west of Kings Cuple.</p>		4

Question Number	Acceptable Answers	Reject	Mark
1(c)(i)	Correct order is - orchard, Baysham, picnic area, place of worship (church) with tower.		4

Question Number	Acceptable Answers	Reject	Mark
1(c)(ii)	<p>The graph shows a line with several peaks and troughs. The y-axis ranges from 0 to 100. The x-axis has two specific points marked as 'River Wye' at 540292 and 610260. The line starts at a value of about 60, reaches a peak of 80, then drops to 40 at the first 'River Wye'. It then fluctuates between 40 and 60, reaching a second 'River Wye' at 40. After this, it rises to a peak of 90 before ending at 70.</p>		2

Question Number	Acceptable Answers	Reject	Mark										
2(a)	<p>2 marks available. 3 or 4 months correct = 2 marks 1 or 2 months correct = 1 mark</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Rainfall mm</th> </tr> </thead> <tbody> <tr> <td>April</td> <td>54</td> </tr> <tr> <td>May</td> <td>62</td> </tr> <tr> <td>August</td> <td>74</td> </tr> <tr> <td>September</td> <td>78</td> </tr> </tbody> </table>	Month	Rainfall mm	April	54	May	62	August	74	September	78		2
Month	Rainfall mm												
April	54												
May	62												
August	74												
September	78												

Question Number	Acceptable Answers	Reject	Mark
2(b)	<p>One mark per point. The points can be from the map or the climate graphs. Max 3 without data. Two marks are available for data must include 'mm'. It is wetter in the west(1). The highest rainfall is in the west of the UK(1). Some places receive rainfall of over 1500mm. (1). The lowest rainfall of less than 625mm (1) is in the east (1) of the UK.</p>		4

Question Number	Acceptable Answers	Reject	Mark
2(c)	<p><input checked="" type="checkbox"/> A the higher the land the more rainfall</p>		1

Question Number	Acceptable Answers	Reject	Mark
2(d)	<p>One mark per point. Allow a mark for defining or showing an understanding of layering. Layering means that the maps would be on top of each other.(1). This means it would be easy to see the relationship between the relief and the rainfall amounts(1). It would be easy to see that the high areas have most rainfall(1).</p>		2

Question Number	Acceptable Answers	Reject	Mark
3(a)	<input checked="" type="checkbox"/> A Asia and the Pacific		1

Question Number	Acceptable Answers	Reject	Mark
3(b)	<input checked="" type="checkbox"/> C North America		1

Question Number	Acceptable Answers	Reject	Mark
3(c)	<input checked="" type="checkbox"/> B water		1

Question Number	Acceptable Answers	Reject	Mark
3(d)	<p>One mark per point. Causes have to be related to fossil fuels. Answer may relate to air travel.</p> <p>Allow a mark for naming one fossil fuel such as coal.</p> <p>Fossil fuels are burnt to provide energy(1). In China 75% of energy is produced form coal (1). This releases carbon dioxide into the air(1).</p> <p>There are many more cars on the road(1). For example, in Delhi, India, the number of cars has grown form half a million in 1970 to 5 million in 2008(1). Cars use fossil fuels to power them (1). They release carbon dioxide into the atmosphere (1).</p>		4

Question Number	Acceptable Answers	Reject	Mark
3(e)	<p>Correct answers in bold, one mark for each.</p> <p>The shape of the Earth's orbit around the Sun varies from elliptical to nearly circular.</p> <p>The Earth has warmer periods when the orbit is elliptical.</p> <p>Volcanic eruptions release large amounts of ash.</p> <p>These act like a blanket and reduce the amount of solar radiation reaching the Earth's surface. This makes the climate colder.</p>		5

Question Number	Acceptable Answers	Reject	Mark
4(a)(i)	<input checked="" type="checkbox"/> C been collected on the roof of the building		1

Question Number	Acceptable Answers	Reject	Mark
4(a)(ii)	<input checked="" type="checkbox"/> A development which meets the needs of the present without stopping future generations meeting their needs.		1

Question Number	Acceptable Answers	Reject	Mark
4(a)(iii)	<p>One mark per point.</p> <p>The points below are all direct lifts off the diagram and would receive 1 mark each, limited to 2 marks. For the other two marks I would expect some kind of development of the point to link it to the question.</p> <p>The roof is insulated with sheep's wool.</p> <p>The walls of the building are made from timber (1) which will naturally insulate the building. (1)</p> <p>The heaters have a special setting. They only come on when the temperature goes below 3°C.</p> <p>The hand dryers are specially developed to use 70% less energy than other hand dryers.</p> <p>Some of the light fittings are Sunpipes which bring natural light into the toilet area from the roof (1) less electricity is needed to light the toilets.(1)</p>		5

Question Number	Indicative content	
4b*	<p>Management initiatives -therefore more than one must be dealt with Range of rainforest areas - therefore more than one area must be covered. Some initiatives are: Madagascar. In 2001 Givaudan, a Swiss company sent a team to Madagascar to survey for new fragrances. It developed 40 aromas that were then sold. The company shared the profits with local communities through conservation and development initiatives. Bolivia Another form of management is through carbon credits. LIC's can set aside some of their forest and receive carbon credits. Industrialised countries can then buy these credits off the country and in this way the developing country earns money from its forest. The largest carbon credit project in the world is in Bolivia. The project is based in the Noel Kempff National Park which is an area of 1.5m hectares and has been an UNESCO World Heritage site since 2000. Bolivia has received £25m by selling the carbon credits of this area. The money has gone straight to the communities who live in the areas as compensation. This means that they are no longer dependent upon logging and destroying the forest to farm to earn a living. Ecuador Texaco have agreed to pay \$40 million to cover its share for cleanup of, amongst other things, some 160 of the 600 waste pits created. But the chief of the local Secoya tribe stated that \$6 billion was needed to do the job properly. Maxus energy who extract oil from Yasuni National Park have built an underground pipeline which has less of an environmental impact. They have provided schools for the local Huaorani and Quichua tribes and invested \$60 million in environmental protection.</p>	
Level	Mark	Descriptor
	0	No rewardable material
Level 1	1-2	A basic answer Simple descriptive statements about management schemes. Could be about anywhere.
Level 2	3-4	A clear answer with level two being reached by there being clear information about an initiative 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 management initiatives. There will be no specific points.
Level 3	5-6	An explicit answer. For level 3 there will be a specific point about a rainforest initiative and other descriptive points about management initiatives. For the top of the level a range of specific points is required with detailed description. This would include information on different initiatives in more than one rainforest area. Or a specific point and some explanation.

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