

Mark Scheme (Results)

Summer 2012

GCSE Geography A 5GA1H
Geographical Skills

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Question Number	Correct Answer	Acceptable answer	Mark
1(a)i	Current or former place of worship, church with spire (minaret or dome)	Church Church with tower	1

Question Number	Correct Answer	Mark
ii	<input checked="" type="checkbox"/> C = Post Office	1

Question Number	Correct answer	Reject	Mark
iii	Nucleated or synonym e.g. clustered (1) around crossroads/church(1) growth along roads (1) any relevant data to support a point e.g. identifies roads along which growth has taken place specifically A4104 and/or B4208 (1) any one comment about variation within area e.g. more growth in west (1)	Anything unrelated to shape NB do not credit map detail if shape not the focus of the answer	3 1+1+1

Question Number	Correct answer	Acceptable answer	Mark
bi	Woodland areas correctly shaded. Likely to be; 7533/7633 patch of coniferous (1) Patch of non-coniferous in 7535 (1) Must use the key on Figure 1b rather than their own or OS key	Very small patch of non-coniferous centred on 770360	2 1+1

Question Number	Correct answer	Acceptable answer	Reject answer	Mark
bii	Motorway is correctly marked (single line is acceptable) (1) Runs through bottom half of 7433 and 7533 May or may not show it running along the southern boundary of 7633 and 7733) Urban area is correctly marked (some attempt at block shading) (1) Urban area shaded in at least four grids - specifically Must have 7038,7037 and 7036 + any one of 7138,7137,7136 and 6937	Runs off 'extract in 7633	Where motorway 'enters' extract at about 725330 rather than 740330 Unshaded urban area even if area is correct Too large an urban area stretching into any area south of 36, west of 69 or east of 72	2 1+1

Question Number	Correct answer	Reject	Mark
c	Any legitimate comment about farmland (1) Mostly farmland (implied or explicit)(1) Any legitimate comment about woodland(1) Any legitimate comment about footpaths/roads/motorways etc (1) Any legitimate comment about settlements (1) Any legitimate comment about camp sites/caravans etc (1) Any legitimate comment about 'water features' lakes, rivers etc (1) Any one accurate grid reference (1) Limit to 3 if no general overview about most of this area being farmland.	Marshland Empty space (nothing there)	4 1+1+1+1

Question Number	Correct answer	Acceptable answer	Mark
di	Woodland variation - more in 1b and/or less in RR (1) Large(r) settlement(s) in 1b - or reverse point (1) Lots of parkland in 1b - not in RR (1)	Legitimate transport point e.g. more A roads in 1b Any legitimate point supportable by map evidence e.g. More reservoirs/lakes in 1b More motorway in RR	1

Question Number	Correct answer	Acceptable Answers	Reject	Mark
ii	Explanation has to be related to answer to di More woodland because steeper slopes and or poorer soils and or poor drainage (1)so only woodland feasible (or similar idea) (1) Large settlement because routes meet and or strong defensive point and/or market centre (1) so town has grown as consequence Parkland due to land ownership/country houses and or steep slopes(?) (1) Reason (1) plus link to land-use (1)	Allow planning/ EU grants Allow references to planning	Less woodland because more farmland and similar style responses.	2 (1+1)

Question Number	Correct answer	Acceptable answer	Mark
2ai	North east (1) NE (1)	45° (1)	1

Question Number	Correct answer	Reject	Mark
ii	<p>Each arrow correct length. (1+1)</p> <p>Length of Wellington Heath line should be within a cm of the left margin (if correctly positioned) - allow 5.0- 7.0 cm as measured from middle of P (use the Gloucester bar (2) as rough guide to length for on-screen marking); allow 2.5-3.5 for UoS</p> <p>Both arrows in approximately the correct direction. (1)</p> <p>Arrows should be broadly horizontal across page, Wellington Heath to the west, Upton-u-Severn to the east. Allow 20° variance</p>	All other answers	<p>3</p> <p>1+1+1</p>

Question Number	Correct answer	Mark
iii	<p>It shows two pieces of information on one diagram (1)</p> <p>It shows direction and numbers (1)</p>	1

Question Number	Correct answer	Acceptable answers	Reject	Mark
b	<p>Overview 1 - size of settlements is important (1) Overview 2 - distance is also important (1) examples /named places to support either point(1) data used to support any one point (1)</p>	<p>Figures too small to conclude anything definitive (1) no information about whether some groups travelled together (1) no information about roads - might be very different time of journey (1)</p>	<p>Descriptions with no attempt to explain - do not credit data and/or examples if not supporting explanation</p>	<p>4</p> <p>1+1+1+1</p>

Question Number	Correct Response	Reject	Mark
3(a)i)	2 (km) (1) Two (1)	All other responses including those that are between 2 and 3 as in 2.3	1

Question Number	Correct Response	Reject	Mark
ii	1987 - 2007 (1)	All other responses	1

Question Number	Correct Response	Reject	Mark
iii	<p>Deforestation (1) through burning (1) increases CO2 (1)</p> <p>Deforestation (1) reduces carbon sink (1) leaves more CO2 in atmosphere (1)</p> <p>Deforestation (1) increases CO2 (1) which is a green house gas or that traps outgoing radiation so warming the atmosphere (1)</p> <p>More industry/transport (cars) (1) caused by rising wealth or comparable reason (1) so rising levels of carbon dioxide (1) which is a green house gas or that traps outgoing radiation so warming the atmosphere (1)</p> <p>More rice/wheat grown and more meat produced (1) caused by rising wealth and/or western diets (1) so more methane produced (1) which is a green house gas or that traps outgoing radiation so warming the atmosphere (1)</p> <p>Increasing vulcanicity (1) emitting (particulate matter) into atmosphere (1) blocking out incoming solar radiation (1)</p> <p>Changes in orbital geometry (1) detail of same e.g more or less elliptical (1) changing amount of solar energy received (1)</p> <p>Changes in solar output (1) basic cause e.g. sunspot cycle (1) causing more or less solar radiation to be received (1)</p>	Sort-term changes in the 'weather'	3 1+1+1

Question Number	Correct Response	Mark
b	<p>Negative effects might include:</p> <ul style="list-style-type: none"> • reduction in agricultural output (1) because of changing patterns of rainfall and/or temperature changes (1) example and/or detail of effect and/or further detail of cause (1) • flooding of lowland areas especially large cities (1) because of sea level rise (1) example and/or detail of effect and/or further detail of cause (1) • more loss of property/life from hurricane and/or tornadoes and/or flash flooding (1) because of more stormy weather (1) example and/or detail of effect and/or further detail of cause (1) • threats to economic development and/or international relations (1) because of shortages of water (1) example and/or detail of effect and/or further detail of cause (1) • loss of whole ecosystems/biomes such as coral reefs (1) as a result of changes sea temperatures (1) example and/or detail of effect and/or further detail of cause (1) <p>N.B - Negative effects can legitimately be effects on ecosystems and individual species without any necessary impact on humans (as in question ‘..retreat of glaciers’)</p> <p>N.B - Negative effects and ‘causes’ might be inverted as in ..negative effect is more stormy weather which causes more flooding/property damage etc.</p> <p>N.B Must be 2x3 as in</p> <p>Negative effects in bold , allow 1 mark for correct identification of an effect (1) Allow 1 mark for a ‘basic cause’ (1)</p> <p>Allow 1 mark for further detail of the effect (e.g. detail of how much sea-level might rise or identification of threatened locations) (1)</p> <p>Allow 1 mark for further detail of cause (e.g. <i>changing rainfall patterns</i> as a result of changing ocean currents) (1)</p> <p>*basic cause may be the same as in ‘changing patterns of rainfall might cause loss of agricultural production in sub-Saharan Africa but also cause international al tension as countries take more water from rivers so threatening water supply in other countries such as Ethiopia and Egypt (this answer is worth 6 marks - 2 effects, 2 extensions and legitimate cause for both, albeit the same cause)</p>	<p>6</p> <p>(1+1+1) +(1+1+1)</p>

Question Number	Correct Response	Reject	Mark
4(a) (i)	<p>One mark each for any legitimate point about any one global region (1)</p> <p>Limit to 3 if just that i.e. SA up, Asia up, Africa down, Oceania down.</p> <p>Fourth mark might come from;</p> <p>Legitimate data to support any region description - doesn't need to quote ha(1) In balance globally - no change (1) any legitimate inter-regional comparative point as in 'decline more in Africa than Oceania' (1)</p>	<p>All explanation</p> <p>Comments such as - overall it has gone down/gone up</p>	<p>4</p> <p>1+1+</p> <p>1+1</p>

ii	<p>Examples might be specific places or specific but unlocated examples of a type of resource exploitation</p> <p>N.B Effects might be positive</p> <p>N.B Max 3 if only one effect given - question asks for effects</p> <p>Effects might be on people and/or environment</p> <p>Effects might be at any scale from local to global</p> <ul style="list-style-type: none"> • Basic cause of is loss of or severe disruption to biome - deforestation for agriculture/mining etc(1) detail of what/where who e.g in Cameroon(1) • Leading to loss of species/habitat correctly detailed or identified (1) • Impact on people's health/culture/life-style correctly detailed or identified (1) • Impact on planet's climate (1) process identified (1) • Impact on economy (1) rising income selling resources (1) correctly detailed or identified <p>So many 4/4 answers will be: Basic cause (1) extended by detail (1) one impact/effect (1) 2nd impact/effect</p>		<p>4</p> <p>1+1+</p> <p>1+1</p>
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Question Number	Indicative content	
4b*	<p>Wide range of possibilities including;</p> <ul style="list-style-type: none"> • Integrated transport systems • Urban planning to reduce need for transport through co-location • Bike rental systems • Subsidised public transport • Re-introduction of trams • Park and ride schemes • Congestion charging and electronic road pricing • Management by planners/city administrators and possibly central government • Sustainability delivered through reduction of emissions <p>Command is 'Explain how...' so expect something on what the focus/aim of management is in terms of reducing congestion/noise/pollution etc. at top end of mark range</p> <p>Management is largely controlled by local and national governments</p>	
Level	Mark	Descriptor
	0	No rewardable material
Level 1	1-2	At least one simple descriptive statement about a traffic management scheme(s). Very limited development of detail about scheme(s). No mention of impact of management or who is controlling that management. Location a simple named place. Very limited use of geographical terminology; no structure to answer.
Level 2	3-4	At least two descriptive statements about a traffic management scheme; at least one developed with a little detail. Some reference or clear inference about aim of management and/or some inference about who is doing the managing. Some locational detail. Some use of geographical terminology; answer has basic structure.
Level 3	5-6	At least two descriptive statements about a traffic management scheme; both developed with appropriate detail. Clear reference to management aims and/or identification of who is doing the management. Location clear and distinct. Good use of geographical terminology; answer has good structure.

Total 50 marks

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