

Mark Scheme (Results) Summer 2007

GCE O Level

GCE O Level Geography (7209) Paper 2

Geography 7209/02

Question 1

Part	Mark Allocation	Acceptable Responses
(a)	3 x 1	Accept 1. Systems 2. inputs 3. processing
(b)(i)	2 x 1	Credit 1. input = calves; cattle feed; grass; hay; weather or any aspect of weather; tractor or other technical equipment 2. output = milk or any other dairy product; hides; meat; cash/money.
(ii)	1	Accept valid concept expressed e.g. cash sales; marketing ..
(iii)	1+1	Allocate 1 mark to extensive defined e.g. large land area, and 1 mark to Figure evidence e.g. data
(iv)	1	Credit any type with a degree of intensiveness i.e. market gardening; rice cultivation; horticulture / floriculture; truck farming; fruit; flowers; plantations.
(c)	2+2	For each choice, 1 mark for basic statement e.g. milk perishable (markets); higher rainfall (climate) ... 2 nd mark for development into full reason. Max of 1+1 if not dairying but farming generally.
(d)	1+1+1	Allocate 1 mark to basic idea of low-tech LIC farming, 1 mark to development of idea (e.g. few fertilisers; limited irrigation ..), and 1 mark to linkage into weather-dependence/physical-dominance
(e)	Level 1=1-2 Level 2 = 3 Level 3 = 4-5	Levels mark each response L1 : expect basic descriptive points e.g. fewer hedgerows; butter mountains ... L2 : expect a clear reason L3 : expect a detailed response, offering process and exemplification from AICs or more than one full reason. N.B. 5 marks only available for one aspect of modern farming.
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Question 2

Part	Mark Allocation	Acceptable Responses
(a)(i)	2 x 1	Accept 1. High (or 6+ % rate) 2. Medium (or 3-6 % rate)
(ii)	1	Africa
(iii)	1	NICs
(iv)	3	Allocate 1 mark to valid naming i.e. industry and country. Up to 2 marks for description i.e. location within country; rate of growth; products and their destination etc... Max of 1 for valid industrial geography, but no name.
(v)	3 x 2	Allocate 2 marks per reason with 1 st mark for identifying valid factor e.g. investment; resource endowment ... Ensure distinctiveness. "2 nd mark in each case for development into a full reason.
(b)(i)	2	Expect two valid changes for max. marks e.g. services replace manufacturing (1); total employment falls then rises (1) ...
(ii)	1	Credit key point i.e. global shift/UK de-industrialisation mirrors NIC industrialisation or equivalent
(iii)		Adopt levels of response strategy
	Level 1=1-3	L1 : expect short-list of personal and societal consequences or long-list of personal or societal consequences e.g. unemployment; re-training; despair; modernisation ...
	Level 2=4-6	L2 : expect long-list of personal and societal consequences or develops one or two consequences e.g. secondary effects; spiral idea; examples ...
	Level 3=7-9	L3: expect examples, perhaps case study-style with consequences developed through as a process. Ensure AIC reference explicit.
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Question 3

Part	Mark Allocation	Acceptable Responses
(a)(i)	2 x 1	Accept up to any two renewable sources i.e. solar; wind; tidal; HEP; wave; nuclear.
(ii)	2+2	In each case, expect 2 distinct points for max. marks e.g. 1. non-renewables defined (1); gas, coal, oil mentioned (1); valid % calculated (e.g. 76%) ...Must show majority for max.
(iii)	2 x 1	2. 5 sources (1); renewables & non-renewables (1) ...
(iv)	2+2	Accept pipeline (1); tanker (sea or road) (1).
(b)	4	In each part, expect to award 1 mark for valid basic point/factor (e.g. 1. home supplies running out 2. non-renewable)
(c)	Level 1=1-3	2 nd mark for development into full, explanatory reason or a further valid point.
	Level 2=4-6	Expect at least 2 valid reasons for max. marks. In each case, 1 st mark for basic factor (e.g. export earnings (1); cheap energy (1)...). 2 nd marks for link into process of economic development (e.g. use of export earnings to (1)...) Adopt Levels of Response strategy
	Level 3=7-9	L1 : expect relevant factors (e.g. supplies; costs; environmental impacts ...) listed
		L2 : expect a range of relevant factors referenced to named sources (e.g. waste, health and nuclear power)
		L3 : expect developed explanation relating to named sources, and including reference to key contemporary issues especially sustainability and global warming.
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Question 4

Part	Mark Allocation	Acceptable Responses
(a)(i)	2 x 1	Accept 1. Italy or Japan 2. Ethiopia or Nigeria
(ii)	2 x 1	Expect more than mere “lifting” of GNP per person figures for credit. Figures expected but must be qualified e.g. \$15150 in Italy is high GNP p.p./ LICs have low GNP p.p. (\$300 in Nigeria). Max of 1 if no data.
(iii)	1	Credit valid definition (e.g. average length of life ...)
(iv)	2 + 2	In each part, award 1 mark for the population feature briefly described in each group of countries e.g. 1. life expectancy short in LICs (1) higher in AICs (1) 2. birth rates high in LICs (1) lower in AICs (1)
(v)	1	Expect both blanks accurately completed for 1 mark. Expect “short-living but fast-growing”
(vi)	3 x 2	Allocate 3 marks to reasons for each of : • life expectancy/long- or short-living • birth rate/slow- or fast-growing Max. of 2 marks for lists, one full reason or account focussed on one group of countries. Max. marks requires explanation, more than one reason and comparative element.
(b)	Level 1=1-2 Level 2=3 Level 3=4-5	Adopt Levels of Response strategy applied separately to each question part. L1 : expect suggested impact listed (e.g. 1. more babies; youthful population; 2. more elderly; more pensions ..) L2 : expect attempts to explain impacts (e.g. need to build more schools for 1.; difficult to fund rising pension costs for 2.) L3 : expect more than one impact well explained, perhaps a chain reaction of effects. Award L3+ (5 marks) only once.
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Question 5

Part	Mark Allocation	Acceptable Responses
(a)(i)	3 x 1	Credit up to any 3 appropriate developments shown i.e. car parks; pedestrianisation; ring road; bus station.
(ii)	2+2	Expect 2 of 3 developments named in (a)(i) to be clear. For each, award 1 mark for stating benefit (e.g. reduces congestion; fewer accidents ...). 2 nd mark for description/development or for further stated benefit. Max 1 if not traffic development.
(iii)	1	B
(iv)	4	Allocate 1 mark per valid factor (e.g. part of pedestrianised area). Max of 3 such factors creditable i.e. max of 3 marks.
(b)(i)	1	Reserve max. marks (4) for some development into explanation e.g. two developed reasons. Max of 2 if A chosen for (iii)
(ii)	3	Credit a reasonably full and accurate definition. Expect more than large shop; needs to add selling range of items etc...
(c)	Level 1=1-3	Expect to credit advantages/disadvantages evident on Fig. 5. Accept for up to 2 marks use of ideas offered in (a)(iii)/(iv) e.g. close to successful businesses. Max of 2 marks for concentration on one site, the old or the new. Max. mark responses deal with disadvantage(s) of old site and advantage(s) of new site.
	Level 2=4-6	Adopt Level of Response strategy L1: expect short list of stated characteristics (e.g. tall buildings; shops & offices ...)
	Level 3=7-9	L2: expect short list with some explanation (e.g. scarce land and tall buildings ..) or a long list of characteristics, perhaps with some description L3: expect at least 3 characteristics described and well explained (e.g. reasons such as accessibility, high rents ...)
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Question 6

Part	Mark Allocation	Acceptable Responses
(a)(i)	2 x 1	Credit 1. 85% 2. 3%
(ii)	1	Accept very uneven
(b)(i)	1	Credit any valid meaning but expect distinction from quality of life so look for materialistic/monetary understanding e.g. how well-off/wealthy ... Accept GDP/GNP per person
(ii)	3	Accept GDP/GNP per person provided not offered in (b)(i) for 1 mark. Other physical indicators (e.g. cars per 1000 people etc...) acceptable up to 2 indicators for 2 marks. Max. marks could be for either an index clarified plus description of its calculation or GDP/GNP p.p. plus its measurement described.
(iii)	3 x 2	Allocate 1 mark up to max of 3 per valid factor (e.g. industrialisation; international trade; government policy ..) In each case, 2 nd mark for development of factor into full reason.
(iv)	3	Focus awarding on quality of life clarification/definition e.g. happiness (1); quality of life could be better in low standard of living countries than in high standard of living countries (1); non-materialistic aspects of life (1); human welfare/community (1)...Max of 1 for standards of living
(c)	Level 1=1-3 Level 2=4-6 Level 3=7-9	Adopt Level of Response strategy L1: expect lists of broad economic activities associated with development/jobs ... (e.g. allow TNCs to locate; encourage tourism ...). Generic responses likely. L1 ceiling if no LIC named. L2: expect LIC named and some description of efforts in that country. L3: expect a case study-style response and reference to how the efforts might raise living standards evident. Process/mechanism vital at top of level.
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Question 7

Part	Mark Allocation	Acceptable Responses
(a)(i)	3	Allocate 1 mark per valid map-based descriptor e.g. south-east Birmingham (1); rural-urban fringe (1); close to other transport links (1) ... Expect locational points and distinctiveness.
(ii)	3+3	Mark explanation for each location out of 3 with max marks reserved for more than listing/stating of valid locational factors. Max marks likely to have at least 2 factors with at least one developed into a full, explanatory reason. Avoid double-credit with (a)(i) answer, and between these two locations. Ensure explanation distinctive for transport responses.
(iii)	3 x 1	e.g. easy access to Birmingham (1) where large market for foreign travel (1). Credit any valid map-specific difficulty e.g. intra-urban route (1); bridge-building (1) ... Check responses against extract for authenticity. Accept small-scale difficulties.
(b)	4	There are two questions here - look to award up to 2 marks for each (though retain right to mark 3 & 1 or 1 & 3). Acceptable reasons for 1 mark can be brief i.e. factorial though a well developed reason = 2 marks. Note distinction between the two questions : alternative to congested M6 or toll rather than public freeway answers 1 st question. Available land or avoids built-up area answers 2 nd question.
(c)	Level 1=1-3	Adopt Level of Response strategy L1 : expect simple statements focussing mainly on photographic evidence (e.g. spoil environment; bring jobs ...). Response may be unbalanced e.g. looks only at disadvantages.
	Level 2=4-6	L2 : expect a more balanced response with advantages and disadvantages, and a little own knowledge introduced.
	Level 3=7-9	L3 : expect both advantages and disadvantages developed, and the use of own knowledge of such schemes to reinforce the consequences of motorway-building. Expect exemplification.
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Question 8

Part	Mark Allocation	Acceptable Responses
(a)(i)	3	Award 1 mark per valid but distinctive point up to max of 3 e.g. shrunk/smaller extent (1); less deep (1) .. Points developed by figures (e.g. 20 m. less deep) = 2 marks.
(ii)	2	Award 1 mark for offering : canal/water transfer/irrigation as per Fig. 8. 2 nd mark for interpreting this information (i.e. water extraction lowering level ..) or for own knowledge (e.g. water for cotton growing in USSR)
(iii)	3	Reserve 1 mark for drying out idea with other 2 marks for definition of continental climate i.e. summer heat (1); low rainfall (1) or its consequences e.g. high evaporation (1) ..
(b)	2+2	Allocate 2 x 1 to problem naming from Fig. 8 e.g. pollution(1); salinity(1). For each, award 2 nd mark for suitable development of problem e.g. ecosystem devastated by salt dust storms (1); pollution kills fish (1) ..
(c)	2+2	Credit any two valid effects of changes identified in either (a)(i) or (b). Stated effect = 1 mark (e.g. jobs in fishing lost; agricultural yields dropped ...). For each effect, award 2 nd mark for suitable development/explanation e.g. chain reaction such as out-migration (1) or regional GDP falls ...
(d)	Level 1=1-3 Level 2=4-6 Level 3=7-9	Adopt Level of Response strategy. Wide interpretation of environmental disaster, include natural hazards. L1: expect broad management approaches either for Aral Sea or other disaster (may be loosely referenced) e.g. not irrigate; change crops grown; build a dam; think ahead ... L2: expect clearly named/located disaster (accept industrial e.g. Bhopal or natural e.g. New Orleans, Mt. St. Helens ..) if Aral Sea management not chosen. Look for more specific failings (e.g. cotton poor cash crop choice 40 years ago) or suggestions (e.g. rehearse evacuation plan in local schools etc) L3: expect either a case study-style response, especially if another disaster chosen or an Aral Sea response which addresses the concept of sustainable management or knows of recent changes in Aral Sea (i.e. dam-building and growth of northern Aral Sea).
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