

Mark Scheme Summer 2009

IGCSE

IGCSE Geography (4370)

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Unit 4370 Paper 1F

Section B - 1. Water

Question Number	Answer	Mark
1(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • Bay of Bengal 	(1)

Question Number	Answer	Mark
1(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> • Worsens 	(1)

Question Number	Answer	Mark
1(b)(i)	<ul style="list-style-type: none"> • Correct sequence: Poor; Good; Very Poor <p>All 3 correct = 2 marks 1-2 correct = 1 mark</p>	(2)

Question Number	Answer	Mark
1(b)(ii)	<p>Award 1-2 marks for valid Figure 1 references</p> <ul style="list-style-type: none"> • e.g. large city (1); • modern farming (1) ... <p>Points worthy of credit up to max of 2 marks</p> <p>Award 1-2 marks for reasoning/process/development of point</p> <ul style="list-style-type: none"> • e.g. urban sewerage (1); • agricultural fertilisers (1) <p>Max marks require some reasoning</p>	(3)

Question Number	Answer	Mark
1(b)(iii)	<p>1 mark for each correct answer. Maximum 4 marks.</p> <p>Credit all valid but distinctive (avoid double-marking re (b)(ii)) factors</p> <ul style="list-style-type: none"> • e.g. illegal dumping (1); • industrial spillages (1); • boat fuel (1) 	(4)

Question Number		
1(c)		
Level	Mark	Descriptor
Level 1	1-2	expect either undeveloped factor(s) or an outline process based on either rainfall or human mismanagement Response will be sketchy with little attempt to sequence events (e.g. heavy rainfall; narrowing of channel; too much water ...)
Level 2	3-4	expect process explanation (i.e. stages in river level rising through to overtopping e.g. high run-off; urban drainage systems ...). For max marks expect explanation to relate to named example

(Total 15 marks)

2. Hazards

Question Number	Answer	Mark
2(a)(i)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Award 1 mark in each case for stating impact</p> <ul style="list-style-type: none"> e.g. housing damage(1); banana crop ruined(1)... <p>2nd marks for description/development e.g. export earnings drop; costly to rebuild; thousands of homeless workers ...</p> <p>Do not credit direct observations from Fig. 2 with 2nd mark.</p>	(4)

Question Number		
2(a)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect stating of valid weather types e.g. heavy rainfall; high winds; cloudy ...
Level 2	3-4	expect reference to weather sequence based around calm "eye" of storm or weather details e.g. wind strengths... For max (L2+/4 marks) expect some description of types within sequence.

Question Number	Answer	Mark
2(a)(iii)	<p>Award 1 mark for idea of energy loss once landfall occurs, and 2nd mark for indication of why energy lost (e.g. away from warm ocean water...)</p> <p>Allow friction over land for 1 mark.</p>	(2)

Question Number	Answer	Mark
2(b)	<p>2 + 2 marks. Credit all valid ways offered.</p> <p>Award 1 mark for identifying the way/the action</p> <ul style="list-style-type: none"> e.g. forecasting (1); evacuation (1); sea walls (1) ... <p>Accept ways that might be linked providing not identical (e.g. award 2 x 1 for forecasting and evacuation).</p> <p>If way/action appropriately described award 2nd mark providing descriptions distinctive (e.g. forecasting enables early warnings and preparation)</p>	(4)

Question Number	Answer	Mark
2(b)	<p>Award up to 2 marks to each type of event i.e. landslides; tidal waves.</p> <p>In each case, reserve 1 mark for basic link</p> <ul style="list-style-type: none"> • i.e. high winds and large waves (1); • heavy rainfall and sliding ground (1). <p>2nd marks in both cases for explaining the link</p> <ul style="list-style-type: none"> • e.g. rainfall lubricates soil 	(4)

Question Number	Answer	Mark
2(c)	<p>2 + 2 marks. Credit all valid ways offered.</p> <p>Award 1 mark for identifying the way/the action</p> <ul style="list-style-type: none"> • e.g. forecasting (1); • evacuation (1); • sea walls (1) ... <p>Accept ways that might be linked providing not identical (e.g. award 2 x 1 for forecasting and evacuation).</p> <p>If way/action appropriately described award 2nd mark providing descriptions distinctive (e.g. forecasting enables early warnings and preparation)</p>	(4)

(Total 15 marks)

3. Production

Question Number	Answer	Mark
3(a)(i)	Both boxes correctly completed for 1 mark. <ul style="list-style-type: none"> • A. Environmental factors • B. Economic factors 	(1)

Question Number	Answer	Mark
3(a)(ii)	Award 1 mark to each valid environmental factor. Maximum 3 marks. <ul style="list-style-type: none"> • e.g. soils (1); relief (1)) in A2; • economic factor (e.g. market demand (1); wages (1)) in B2; • political and social factors (e.g. tradition (1); personal preferences(1)) in C2. 	(3)

Question Number	Answer	Mark
3(a)(iii)	2 + 2 marks. No mark available for name of farming type e.g. market gardening; sheep rearing ... but without it max of 2 marks. 2 nd mark which is for explanation of factor inaccessible without naming. For each factor allocate 1 mark if influence of factor outlined <ul style="list-style-type: none"> • e.g. weather and sheep rearing : rain and grass growth (1). Expect development for 2 nd mark e.g. weather and sheep rearing: rain-grass growth-food supply-fat sheep. Re transport costs references to bulk and minimisation likely to be worthy of 2 marks.	(4)

Question Number	Answer	Mark
3(b)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <p>Credit with 1 mark each all valid, clarified/explicit and distinctive differences</p> <ul style="list-style-type: none"> • e.g. degree of commercialism (1); • scientific inputs (1); • degree of labour-intensity (1); • higher yields in MEDCs (1) ... • <p>Do not accept lists of farming terms e.g. subsistence; capital-intensive, when spatial difference not explicit. Exercise professional discretion and apply some rigour.</p>	(3)

Question Number		
3(c)		
Level	Mark	Descriptor
Level 1	1-2	expect basic but valid factors e.g. overproduction; withdrawal of subsidies; imports; other land uses ... stated
Level 2	3-4	expect either factor(s) developed into full reason(s) e.g. waste of food mountains; cheaper food imports from LEDCs or/and alternative land uses described and rationalised (e.g. better farm incomes from horse-riding stables, trail-biking .. than ...)

(Total 15 marks)

4. Development

Question Number	Answer	Mark
4(a)(i)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <p>Credit Figure 4-based evidence which explicitly suggestive of LEDC status</p> <ul style="list-style-type: none"> • i.e. high birth rate (1); • subsistence farming (1); • low literacy rate; young population (1). <p>Accept no other statements unless explained in context of LEDC (e.g. fuel wood)</p>	(3)

Question Number	Answer	Mark
4(a)(ii)	<p>4 x 1 marks. Maximum 4 marks.</p> <p>Credit all valid Figure 4-based short statements providing difficulty explicit/self-explanatory as far as development concerned</p> <ul style="list-style-type: none"> • e.g. steep slopes (1); • flooding (1); • remoteness (1); • low literacy rate (1) <p>Less obvious difficulties (e.g. deep gulleys ..) will need a little clarification (e.g. land difficult to use).</p>	(4)

Question Number	Answer	Mark
4(a)(iii)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Max of 2 per explanation. Brief but relevant points (e.g. building difficult on steep slopes) worthy of 1 mark.</p> <p>Max can be achieved by two such points (e.g. farming not easy on steep slopes).</p> <p>Max also achievable by developed answer</p> <ul style="list-style-type: none"> • e.g. farming not easy on steep slopes (1) • because of soil erosion (1)/ • machinery difficult to use (1). <p>Expect a little linkage or process in max mark answers.</p>	(4)

Question Number		
4(c)		
Level	Mark	Descriptor
Level 1	1-2	expect relevant development factor(s) e.g. growing population; more exports; new technology; raw material discoveries; new government policies ... listed with or without named growing country
Level 2	3-4	expect some explanation - if only one factor offered max of L2- (3 marks). L2+ responses (4 marks) require a relevant named country and explanation that links factor(s) to development (i.e. growing prosperity) e.g. rising exports so more jobs and more and better waged people.

(Total 15 marks)

5. Migration

Question Number	Answer	Mark
5(a)(i)	1 mark for each correct answer. Maximum 2 marks. <ul style="list-style-type: none"> • Spain (1) • Italy (1) 	(2)

Question Number	Answer	Mark
5(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> • Holland (1) 	(1)

Question Number	Answer	Mark
5(a)(iii)	Accept any form of words however brief that covers the two ideas of inflow/arrival, and international/from abroad.	(1)

Question Number	Answer	Mark
5(a)(iv)	Definition for credit must express idea of difference between immigration (or equivalent) and emigration (or equivalent)	(1)

Question Number	Answer	Mark
5(b)(i)	1 mark for each correct answer. Maximum 4 marks. Pull Factors <ul style="list-style-type: none"> • Drought (1); • War (1) Push Factors - <ul style="list-style-type: none"> • Medical facilities (1); • Entertainment (1) 	(4)

Question Number	Answer	Mark
5(b)(ii)	Expect to award 1 mark for Push Factors with 2 nd mark for linking a clarified forced migration to idea of being pushed (e.g. refugees; concerns over safety ...)	(2)

Question Number		
5(c)		
Level	Mark	Descriptor
Level 1	1-2	expect reference(s) to MEDC attributes/pull factor(s) e.g. prosperity; jobs; benefits; peace ... References stated only and only one side of migration model addressed i.e. either pull or push.
Level 2	3-4	expect some development/explanation of factor(s) in context of MEDC western Europe. Responses addressing both sides of migration model (e.g. pull aspect of well-paid jobs or magnet of safety and push aspect of unemployment or personal insecurity) worthy of this Level.

(Total 15 marks)

6. Urban Environments

Question Number	Answer	Mark
6(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • 10.5 million 	(1)

Question Number	Answer	Mark
6(a)(ii)	1 mark for each correct answer. Maximum 2 marks. Expect the two creditable responses to come from Fig. 6 <ul style="list-style-type: none"> • i.e. proposed second city (New Mumbai) (1); • shanty town clearance (1) 	(2)

Question Number	Answer	Mark
6(b)(i)	1 mark for each correct answer. Maximum 4 marks. Credit all legitimate rapid urbanisation problems <ul style="list-style-type: none"> • e.g. traffic congestion (1); • homelessness (1); • lack of public services (1); • rising crime (1) ... Accept overcrowding from Fig. 6. Expect degree of distinctiveness between problems stated.	(4)

Question Number	Answer	Mark
6(b)(ii)	2 + 2 marks. Award 1 mark to each stated advantage <ul style="list-style-type: none"> • e.g. labour supply (1); • more spending (1); • private D-I-Y housing (1) ... Expect a degree of distinctiveness. Award 2 nd mark in each case if advantage developed into an explanation <ul style="list-style-type: none"> • e.g. plentiful labour so cheap and beneficial for industry (2) 	(4)

Question Number		
6(c)		
Level	Mark	Descriptor
Level 1	1-2	expect outline developments/schemes/changes ... with or without reference to a named shanty town (e.g. electricity cables; schools built; new clinic ...). Responses likely to be lists of undeveloped changes for the better.
Level 2	3-4	expect more explicit reference to idea of quality of life by developments being illustrated (e.g. electricity means light at night or can watch TV ..). For L2+ (4 marks) expect named shanty town and more than one development explained and linked to improving quality of life.

(Total 15 marks)

Section B - 7. Fragile Environments

Question Number	Answer	Mark
7(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> Accept 375 - 380 	(1)

Question Number	Answer	Mark
7(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> 1750 	(1)

Question Number	Answer	Mark
7(a)(iii)	1 mark for each correct answer. Maximum 2 marks. Accept any two valid and distinctive reasons, either generic <ul style="list-style-type: none"> e.g. rising prosperity (1); industrialisation (1) or specific sources <ul style="list-style-type: none"> e.g. car exhausts(1); power stations(1); aeroplane pollution(1) ...) 	(2)

Question Number	Answer	Mark
7(a)(iv)	1 mark for each correct answer. Maximum 2 marks. Award 1 mark for appropriate naming <ul style="list-style-type: none"> e.g. carbon dioxide; methane ... 1 mark for appropriate reference to greenhouse concept <ul style="list-style-type: none"> e.g. traps heat(1) 	(2)

Question Number	Answer	Mark
7(b)(i)	1 mark for correct answer. <ul style="list-style-type: none">• 2000-07	(1)

Question Number	Answer	Mark
7(b)(ii)	1 mark for correct answer. <ul style="list-style-type: none">• Global warming	(1)

Question Number	Answer	Mark
7(b)(iii)	1 mark for each correct answer. Maximum 2 marks. Credit any two legitimate and distinctive effects of global warming either physical <ul style="list-style-type: none">• e.g. stronger hurricanes(1);• melting ice sheets(1);• rising sea levels(1);• extreme weather(1)..) or human <ul style="list-style-type: none">• e.g. pollution control policies(1);• changing agricultural patterns(1) ...)	(2)

Question Number		
7(c)		
Level	Mark	Descriptor
Level 1	1-2	expect basic pattern and association identified i.e. rising gas concentrations and rising temperatures. Dates and gas concentration figures may be mentioned.
Level 2	3-4	expect reference to the Greenhouse Effect process i.e. prevention of outgoing radiation. Expect trapping and heat build-up for max. marks (L2+)

Question Number		
7(d)		
Level	Mark	Descriptor
Level 1	1-3	<p>expect loose statements of action e.g. building nuclear power stations; developing renewables; encouraging energy efficiency; setting reduction targets; Kyoto Protocol ...</p> <p>Description of one of these efforts e.g. a renewable energy scheme or outline description of Kyoto agreement = L2+ (3 marks)</p>
Level 2	4-6	<p>expect either full description of Kyoto Protocol or of at least two smaller schemes. For maximum expect process i.e. how scheme actually cuts emissions. Level calls for detail and reference to location (e.g. named places).</p>

(Total 20 marks)

8. Globalisation

Question Number	Answer	Mark
8(a)(i)	<p>1 mark for correct answer.</p> <ul style="list-style-type: none"> • Accept \$18.4 -18.6 bn. <p>\$bn. required</p>	(1)

Question Number	Answer	Mark
8(a)(ii)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Credit any two valid and distinctive points</p> <ul style="list-style-type: none"> • e.g. increased (1); • rapid growth since 2002(1); • import growth greater (1); 	(2)

Question Number	Answer	Mark
8(a)(iii)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Award 1st mark for full basic point</p> <ul style="list-style-type: none"> • i.e. manufactured imports and primary product exports(1). <p>Award 2nd mark for elaboration of basic distinction</p> <ul style="list-style-type: none"> • e.g. factory goods versus raw materials (1) • or named goods/materials(1) ... 	(2)

Question Number	Answer	Mark
8(a)(iv)	<p>Allocate 1-3 marks to reference to exports</p> <ul style="list-style-type: none"> • e.g. more sought (1); • new markets (1); • export earnings (1); • Chinese industries can expand (1); • GDP benefits (1) ... <p>Allocate 1-3 marks for reference to imports</p> <ul style="list-style-type: none"> • e.g. cheap imports (1); • raw materials needed (1); • guaranteed supplies for growing industries (1) <p>Max of 3 if reference to only exports or imports. Balance required for max marks.</p>	(4)

Question Number	Answer	Mark
8(b)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • Transnational company or corporation acceptable 	(1)

Question Number	Answer	Mark
8(b)(ii)	Reserve 1 mark for reference to idea that TNCs concerned with profit/finance (e.g. costs; prices; shareholders ...) Remaining 3 marks to be awarded for either relevant stated factors <ul style="list-style-type: none"> • e.g. cheap labour(1); • access to local markets(1); • slack regulations(1); • financial incentives(1) ...) Or factors developed into full reasons (worthy of 2 marks each). Award 3 marks for 3 stated factors or 2 factors with at least one well developed.	(4)

Question Number		
8(b)(iii)		
Level	Mark	Descriptor
Level 1	1-3	expect either a named TNC e.g. AT&T .. with brief global operations point(s) e.g. 20 factories in 10 countries .. OR generic points relating to all TNCs e.g. factories around world; H/Qs in different country to factories ... For L1+(3 marks) expect reference to a named TNC and to two of products/production; markets; R&D/administration.
Level 2	4-6	expect a comprehensive description of global operations referring to at least two of products/production, markets, and R&D/administration. Expect named places and reasonable balance of the 3 aspects above for max marks.

(Total 20 marks)

9. Human Welfare

Question Number	Answer	Mark
9(a)(i)	<p>1 mark for each correct answer. Maximum 4 marks.</p> <ul style="list-style-type: none"> • Statement 1 - D (1); • Statement 2 - A (1); • Statement 3 - B (1); • Statement 4 - F (1) 	(4)

Question Number	Answer	Mark
9(a)(ii)	<p>Award 1 mark for basic idea of little/no environmental damage; protecting the environment.</p> <p>Credit fuller answers referring to idea of present actions and future consequences (e.g. not wrecking planet in future ...) with 2 marks.</p>	(2)

Question Number	Answer	Mark
9(a)(iii)	<p>Max marks can be awarded for either responses which suitably address C and E individually e.g.</p> <ul style="list-style-type: none"> • C: women can make greater economic contribution if equal ...(1); • E: healthier mums and more settled family life for children ...(1) <p>OR more generic responses arguing the importance of women/mothers.</p> <p>A developed or twin-point argument worthy of 2 marks.</p> <p>Award 1 mark for valid outline argument or single point</p> <ul style="list-style-type: none"> • e.g. mothers encourage children in school (1). 	(2)

Question Number	Answer	Mark
9(a)(iv)	<p>Reserve 1 mark for a UN aid agency name e.g.</p> <ul style="list-style-type: none"> • UNICEF; • World Bank... and a further 1 mark for direct reference to impact on poor people's lives. <p>• Use other 2 marks for description of agency action e.g. delivering food supplies (1);</p> <ul style="list-style-type: none"> • building village schools (1)... <p>These 2 marks can be for such single points or developed works e.g. a specific scheme.</p>	(4)

Question Number	Answer	Mark
9(b)(i)	<p>For max marks expect two clear changes identified</p> <ul style="list-style-type: none"> • e.g. more aid (1); • more direct aid (1); • less aid through agencies (1). <p>Such brief valid points will suffice for 1 mark each. %s to support identified change do not earn a 2nd mark.</p>	(2)

Question Number		
9(b)(ii)		
Level	Mark	Descriptor
Level 1	1-3	<p>expect lists of general aid spending and help to LEDCs (e.g. medicines provided; more food around ..)</p> <p>For L1+(3 marks) expect broad indications of how aid spending and general help can work to improve life in LEDCs e.g. better educated and healthier people more productive ...</p>
Level 2	4-6	<p>expect direct reference to aid projects raising living standards/quality of life in LEDCs. Specific projects/schemes, named LEDCs ... may be offered.</p> <p>For top of level (L2+=6 marks) expect reference to North-South development gap and possible narrowing.</p>

(Total 20 marks)

Unit 4370 Paper 2H

Section A - 1. Water

Question Number	Answer	Mark
1(a)(i)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Expect the two basic features of the pattern</p> <ul style="list-style-type: none"> • i.e. good near source to very poor in mid-course (1); • very poor to poor downstream/near mouth (1) for maximum marks. <p>Award 1 mark for one broad and correct observation e.g. good to poor; worsens; becomes polluted...</p>	(2)

Question Number	Answer	Mark
1(a)(ii)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Award 1 mark to each valid and distinctive indicator up to max of 2</p> <ul style="list-style-type: none"> • e.g. safe to drink (1); • fish population (1); • clear (1); • no chemicals (1); • no waste disposal (1)... 	(2)

Question Number	Answer	Mark
1(a)(iii)	<p>1 mark for correct answer.</p> <p>Credit valid definition</p> <ul style="list-style-type: none"> • e.g. the catchment area of a river (1) 	(1)

Question Number	Answer	Mark
1(a)(iv)	<p>1 mark for correct answer.</p> <ul style="list-style-type: none"> • Expect watershed (1) • (accept interfluvium also) 	(1)

Question Number		
1(a)(v)		
Level	Mark	Descriptor
Level 1	1-2	expect direct observations from Fig. 1 only e.g. large cities; modern farming schemes ... Award L1+ (2 marks) for both such observations. Accept LEDC water quality generalities.
Level 2	3-4	award this level if candidates develop observations so that polluting process clear e.g. chemical fertilisers in river; industrial waste from city factories in river .. Expect at least two processes developed for L2+ (4 marks)

Question Number		
1(b)		
Level	Mark	Descriptor
Level 1	1-2	expect either undeveloped factor(s) or an outline process based on either rainfall or human mismanagement Response will be sketchy with little attempt to sequence events (e.g. heavy rainfall; narrowing of channel; too much water ...)
Level 2	3-4	expect process explanation (i.e. stages in river level rising through to overtopping e.g. high run-off; urban drainage systems ...). For max marks expect explanation to relate to named example

Question Number		
1(c)		
Level	Mark	Descriptor
Level 1	1-2	expect either a generic list of flood management schemes (e.g. spillways; embankments ..) or one such control device outlined for a named river or location.
Level 2	3-4	expect a valid named example and some description of flood management operating there
Level 3	5-6	expect a case study-style answer with developed description of management scheme in operation. For L3+ (6 marks) expect reference to process i.e. how, for example, spillway actually reduces flooding.

(Total 20 marks)

2. Hazards

Question Number	Answer	Mark
2(a)(i)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Award 1 mark in each case for stating impact</p> <ul style="list-style-type: none"> e.g. housing damage(1); banana crop ruined(1)... <p>2nd marks for description/development e.g. export earnings drop; costly to rebuild; thousands of homeless workers ...</p> <p>Do not credit direct observations from Fig. 2 with 2nd mark.</p>	(4)

Question Number		
2(a)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect stating of valid weather types e.g. heavy rainfall; high winds; cloudy ...
Level 2	3-4	expect reference to weather sequence based around calm "eye" of storm or weather details e.g. wind strengths... For max (L2+/4 marks) expect some description of types within sequence.

Question Number	Answer	Mark
2(a)(iii)	<p>Award 1 mark for idea of energy loss once landfall occurs, and 2nd mark for indication of why energy lost (e.g. away from warm ocean water...)</p> <p>Allow friction over land for 1 mark.</p>	(2)

Question Number	Answer	Mark
2(b)	<p>2 + 2 marks. Credit all valid ways offered.</p> <p>Award 1 mark for identifying the way/the action</p> <ul style="list-style-type: none"> e.g. forecasting (1); evacuation (1); sea walls (1) ... <p>Accept ways that might be linked providing not identical (e.g. award 2 x 1 for forecasting and evacuation).</p> <p>If way/action appropriately described award 2nd mark providing descriptions distinctive (e.g. forecasting enables early warnings and preparation)</p>	(4)

Question Number		
2(c)		
Level	Mark	Descriptor
Level 1	1-2	expect a short list of relevant factors (1-3 factors stated) e.g. tradition; tropical tourism; productive agriculturally ...
Level 2	3-4	expect either a long list of relevant factors (4 or more factors stated) or any explanation i.e. developing factor(s) into full reason(s). Combination of stated factors and explanation of one such worthy of L2+ (4 marks).
Level 3	5-6	expect at least two developed reasons perhaps set in a named spatial context. For max (L3+/6 marks) expect concept of benefits of area outweighing risks/costs developed or reasons offered for at least two named locations.

(Total 20 marks)

3. Production

Question Number	Answer	Mark
3(a)(i)	<p>Credit all valid examples of group in question</p> <ul style="list-style-type: none"> e.g. Environmental Factors - A2: Relief; Soils ... (1) Economic Factors - B2: Market demand; Wages ... (1) Political & Social Factors - C2: Tradition; Personal preference ...(1) 	(3)

Question Number	Mark	Descriptor
3(a)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect valid factors listed or one developed factor. Link with farming type likely to be tenuous or non-existent. Credit generic farming factors if no farming type named.
Level 2	3-4	expect either two developed factors or a list with one developed. Must be some evidence of factor impact on farming type choice, success ... (esp. at L2+/4 marks).
Level 3	5-6	expect a range of developed factors with explicit explanation of their influence on named farming type e.g. climate (e.g. warm dry summers ripen grain and speed up harvesting), relief and technology on cereal farming.

Question Number	Answer	Mark
3(b)(i)	<p>1 mark for correct answer.</p> <p>Credit any valid clarification albeit brief</p> <ul style="list-style-type: none"> e.g. an artificially created crop (1); fast-growing, unnatural plant (1) ... <p>No credit for what GM stands for.</p>	(1)

Question Number	Answer	Mark
3(b)(ii)	<p>Award 1 mark to each of two following ideas.</p> <ul style="list-style-type: none"> i.e. less land needed for food (1); more profitable alternatives (1). <p>Award a 2nd and/or 3rd mark if idea developed e.g. agricultural policies to deter food production; alternatives such as trail-biking, riding schools</p> <p>Max of 3 for one basic idea only. Accept sectoral change for 1 mark.</p>	(4)

Question Number		
3(c)		
Level	Mark	Descriptor
Level 1	1-2	expect a short list of relevant factors stated e.g. better seeds; GM crops; new technology ...
Level 2	3-4	expect some explanation, perhaps one of list developed so that greater productivity at least implicit. Ensure relevance to LEDCs. Long list of relevant factors worthy of L2- (3 marks)
Level 3	5-6	expect explicit explanation of a range of factors. Full reasons will be evident. Exemplification e.g. Green Revolution may be a path to this level if offered as a sound case study.

(Total 20 marks)

4. Development

Question Number	Answer	Mark
4(a)(i)	<p>1 mark for correct answer. Credit any valid definition of literacy rate.</p> <ul style="list-style-type: none"> e.g. ability to read and write (1) ... <p>Reference to low not essential for credit.</p>	(1)

Question Number	Answer	Mark
4(a)(ii)	<p>Award up to 2 (2x1) marks for stating valid problems caused by low literacy levels (no credit for defining term)</p> <ul style="list-style-type: none"> e.g. unattractive to employers(1); industrial recruitment(1) ... <p>Reserve 3rd mark for explanation/developed point, including explicit link to holding back economic development.</p>	(3)

Question Number	Answer	Mark
4(a)(iii)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <p>Credit up to 3 valid difficulties shown by Fig. 4</p> <ul style="list-style-type: none"> e.g. remoteness (1); flooding (1); steep slopes (1) ... <p>Brief but implicit statements are creditworthy. Distinctiveness essential.</p>	(3)

Question Number	Answer	Mark
4(a)(iv)	<p>Award 1-2 marks for 1 or 2 basic problems created by difficulty chosen</p> <ul style="list-style-type: none"> e.g. remoteness: long travel times (1); costly transport (1) ... <p>Reserve at least 1 mark for explanation/developed point including explicit link to holding back development.</p> <p>Max of 1 mark if no named or obvious choice of difficulty.</p>	(3)

Question Number		
4(b)		
Level	Mark	Descriptor
Level 1	1-2	expect relevant development factor(s) e.g. growing population; more exports; new technology; raw material discoveries; new government policies ... listed with or without named growing country
Level 2	3-4	expect some explanation - if only one factor offered max of L2- (3 marks). L2+ responses (4 marks) require a relevant named country and explanation that links factor(s) to development (i.e. growing prosperity) e.g. rising exports so more jobs and more and better waged people.

Question Number		
4(c)		
Level	Mark	Descriptor
Level 1	1-2	expect a simplistic and perhaps one dimensional answer (i.e. first aspect of question only addressed) but referenced to development gap e.g. Rich North-Poor South; LEDCs in S. Hemisphere ... Very outline definition plus divide widening only (or narrowing this year!) remains L1.
Level 2	3-4	expect either a full explanation of the divide only or a balanced response addressing both the divide and its change to a reasonable level of competence. L2+ (4 mark) responses must cover both aspects of the question.
Level 3	5-6	expect both a thorough explanation of the divide (e.g. the Brandt Line; continental names ...) and a valid description of change (e.g. widening gap between MEDCs and LLEDCs; NICs join Rich North ...)

(Total 20 marks)

5. Migration

Question Number	Answer	Mark
5(a)(i)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>For each trend requested, award 1 mark for clear and correct identification</p> <ul style="list-style-type: none"> e.g. more immigrants overall (1); growth in some countries and decline in others (1) ... <p>Max marks (i.e. 2 marks) requires at least one relating to general picture though accept a growth country e.g. UK and a declining country e.g. Holland for max. (but not two identical trend countries e.g. UK & Spain).</p> <p>2nd mark in each case for valid evidence e.g. numerical or relative national change.</p>	(4)

Question Number	Answer	Mark
5(a)(ii)	<p>Allocate 1 mark to definition of each term.</p> <ul style="list-style-type: none"> e.g. immigration = arrivals from abroad to stay (1) (N.B. expect to live/stay/work/longer time than visitors/tourists for credit); migration balance = immigration - emigration; net immigration; when consider emigration ... (1) 	(2)

Question Number	Answer	Mark
5(b)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Credit each of forced and voluntary as follows up to max of 2 marks: clarification of term</p> <ul style="list-style-type: none"> e.g. voluntary = choose to move ..) (1); identification of key force i.e. push or pull (e.g. push and forced ..) (1); example of correct force (e.g. persecution as push in forced) (1) 	(4)

Question Number		
5(c)		
Level	Mark	Descriptor
Level 1	1-2	expect reference(s) to MEDC attributes/pull factor(s) e.g. prosperity; jobs; benefits; peace ... References stated only and only one side of migration model addressed i.e. either pull or push.
Level 2	3-4	expect some development/explanation of factor(s) in context of MEDC western Europe. Responses addressing both sides of migration model (e.g. pull aspect of well-paid jobs or magnet of safety and push aspect of unemployment or personal insecurity) worthy of this Level, but push comments not essential.

Question Number		
5(d)		
Level	Mark	Descriptor
Level 1	1-2	expect few and brief effects (e.g. depopulation ..) related to only one area. Effects stated only and limited to 1-2 in number. Credit generic effects with no flow named.
Level 2	3-4	expect either briefly stated effects related to both source and destination areas or developed effects relating to one area. Limit of L2- (3 marks) if latter. A more balanced response linked to a valid named flow called for for L2+ (4 marks)
Level 3	5-6	expect description of impact of a named flow (e.g. urban-to-rural in MEDCs; Turks to Germany ...) on both areas. Case-study type responses and at least three effects characteristic.

(Total 20 marks)

6. Urban Environments

Question Number	Answer	Mark
6(a)(i)	Credit each valid piece of Fig. 6 evidence with 1 mark up to max of 3 <ul style="list-style-type: none"> • e.g. high density(1); • proposed second city(1); • 16.5 million population(1); • population growing(1) ... 	(3)

Question Number	Answer	Mark
6(a)(ii)	Credit either 3 x 1 point marking. <ul style="list-style-type: none"> • e.g. reduce population pressures (1); • encourage return to countryside(1); • public health concerns(1) ...) or developed reason <ul style="list-style-type: none"> • e.g. low public health (1) as large numbers without sanitation close by (1) e.g. cholera (1) could be worth max. 	(3)

Question Number		
6(b)		
Level	Mark	Descriptor
Level 1	1-2	expect listing of shanty town improvements with or without town named e.g. clinic opened; drains laid ... List short, may be generic and explicitly unrelated to life improvements
Level 2	3-4	expect explanation which links town developments to quality of life, at least implicitly e.g. new clinic reducing infantile mortality; new drainage system improving water quality and health. Expect QOL reference to be explicit at L2 + (4 marks). Appropriately named shanty town e.g. Kibera or shanty town city e.g. Rio .. for L2+(4 marks)

Question Number	Answer	Mark
6(c)	<p>Credit either 4 x 1 point marking</p> <ul style="list-style-type: none"> • e.g. traffic congestion(1); • homelessness(1); • lack of public services(1); • rising crime(1); • overcrowding(1) providing points valid and distinctive <p>or a well described problem could be worthy of 2 marks (N.B. 2 x 2 route to max.)</p>	(4)

Question Number		
6(d)		
Level	Mark	Descriptor
Level 1	1-2	expect either a short-list of relevant factors (1-3) e.g. cost; public opinion; sustainability; appearance ... or one factor illustrated (e.g. for an urban area building for a major sports event - how much use of facilities after the event ?)
Level 2	3-4	expect ether a longer list of relevant factors (4+) for L2-(3 marks) max or two developed factors with urban planning proposal clear e.g. new stadium; new road ..(L2+/4 marks). One well developed factor illustrated by example may be worthy of L2-.
Level 3	5-6	expect at least two well developed factors set in context of spatial examples. Reserve L3+(6 marks) for exemplified responses. The new developments being planned must be explicit e.g. new road; CBD redevelopment ...

(Total 20 marks)

Section B - 7. Fragile Environments

Question Number	Answer	Mark
7(a)(i)	<p>Credit up to two valid and distinctive observations</p> <ul style="list-style-type: none"> • e.g. rising amounts of both(1); • 1750 take-off(1); • similar pattern/trend for both (1); • methane concentration doubled over last 200 years(1)... <p>Ensure credit given only for changes.</p>	(2)

Question Number	Answer	Mark
7(a)(ii)	<p>Credit each distinctive and valid factor with 1 mark up to max of 2</p> <ul style="list-style-type: none"> • e.g. industrialisation (1); • modern transport (1); • improved living standards (1) ... <p>Be careful with pollution as 1st mark factor - may be better as the 2nd mark development of factor into full reason</p> <ul style="list-style-type: none"> • e.g. industrialisation (1) with factories using energy from power stations which pollute with ...). <p>Reasons offered need to relate to Fig. 7 changes but not necessarily those identified in (a)(i).</p>	(4)

Question Number	Answer	Mark
7(a)(iii)	<p>Credit up to any two valid points about such gases</p> <ul style="list-style-type: none"> • e.g. traps heat(1); • named example(1); • enhances greenhouse or warming effect(1)... 	(2)

Question Number	Answer	Mark
7(b)(i)	<p>Reserve 1 mark for trend naming i.e. global warming.</p> <p>Remaining 2 marks for data trend description on a direct points basis</p> <ul style="list-style-type: none"> • e.g. all recent(1); • 21st century years warmest(1); • 1990's warmer than 1980's(1) .. <p>Ensure credit is for pattern/trend.</p>	(3)

Question Number		
7(b)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect basic pattern and association identified i.e. rising gas concentrations and rising temperatures. Dates and gas concentration figures may be mentioned. Identifies Greenhouse effect.
Level 2	3-4	expect reference to the Greenhouse Effect process i.e. prevention of outgoing radiation. Expect trapping and heat build-up for max. marks (L2+)

Question Number		
7(c)		
Level	Mark	Descriptor
Level 1	1-3	<p>expect loose statements of action e.g. building nuclear power stations; developing renewables; encouraging energy efficiency; setting reduction targets; Kyoto Protocol ...</p> <p>Description of one of these efforts e.g. a renewable energy scheme or outline description of Kyoto agreement = L1+ (3 marks)</p>
Level 2	4-6	expect either full description of Kyoto Protocol or of at least two smaller schemes. For maximum expect process i.e. how scheme actually cuts emissions. Level calls for detail and reference to location (e.g. named places).

Question Number		
7(d)		
Level	Mark	Descriptor
Level 1	1-3	expect candidates to believe global warming is a fact and so will continue and strengthen as greenhouse gas concentrations grow. If give equally brief statement of principle about 'not knowing' because global warming natural and unaffected by growing gas concentrations. Credit simple but valid comments (e.g. ice melting, sea levels rise, crops die, etc).
Level 2	4-6	expect some development of argument into actual described effects e.g. rising sea levels; agricultural impacts .. Expect limited range of the more obvious effects. May be 1-2 explained impacts of global warming. For those arguing that global warming natural L2 might see responses about no consequences (though world warms) and world running out of carbon fuels. Limit global warming swindle believers to this level.
Level 3	7-9	expect a range (i.e. at least 3) of well explained impacts, positive (e.g. tourist opportunities; energy bills ..) and/or negative (e.g. flooding; re-locations ..) of global warming.

(Total 30 marks)

8. Globalisation

Question Number	Answer	Mark
8(a)(i)	<p>1 mark for each correct answer in right order. Maximum 2 marks.</p> <ul style="list-style-type: none"> • Accept \$39-40 billion (1); • \$200 billion (1). <p>N.B. units essential.</p>	(2)

Question Number	Answer	Mark
8(a)(ii)	<p>Adopt either a 3 x 1 point marking approach</p> <ul style="list-style-type: none"> • e.g. grew(1); • after 2002 took-off(1); • imports (from China) grew most(1) ..) <p>or a developed-points-worth-2 marks approach</p> <ul style="list-style-type: none"> • e.g. imports grew rapidly(1) from \$4bn. in 2003 to \$21bn by 2007(1)). <p>Ensure some scope to answer for max marks i.e. imports and exports.</p>	(3)

Question Number	Answer	Mark
8(a)(iii)	<p>1 + 1 marks. Maximum 2 marks.</p> <p>Allocate 1 mark to valid export observation</p> <ul style="list-style-type: none"> • e.g. mainly manufactures (1) <p>and 1 mark to valid import observation</p> <ul style="list-style-type: none"> • e.g. mainly primary products(1) 	(2)

Question Number	Answer	Mark
8(b)(i)	<p>Look to credit each basic benefit of sourcing materials and of developing new markets with 1 mark (2 x 1).</p> <p>Award a 2nd mark in each case if benefit described/developed</p> <ul style="list-style-type: none"> • e.g. new markets(1) • providing export earnings(1). <p>2nd development mark could be for linking basic benefit to needs and nature of NICs e.g. industrialising fast so need raw materials</p>	(4)

Question Number	Answer	Mark
8(b)(ii)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Award an initial mark x 2 for identifying valid and distinctive disadvantages for LEDCs</p> <ul style="list-style-type: none"> • e.g. TNCs too powerful(1); • profits leave LEDC(1); • relocation worries(1) .. <p>If response developed into a clear and explained disadvantage</p> <ul style="list-style-type: none"> • e.g. profits made by TNCs in LEDCs leave that country (1) • for the TNC's H/Q often in an MEDC (1). 	(4)

Question Number		
8(c)		
Level	Mark	Descriptor
Level 1	1-3	expect either a named TNC e.g. AT&T .. with brief global operations point(s) e.g. 20 factories in 10 countries .. OR generic points relating to all TNCs e.g. factories around world; H/Qs in different country to factories ... For L1+(3 marks) expect reference to a named TNC and to two of products/production; markets; R&D/administration. Max of 2 marks if no named example.
Level 2	4-6	expect a comprehensive description of global operations referring to at least two of products/production, markets, and R&D/administration. Expect named places and reasonable balance of the 3 aspects above for max marks.

Question Number		
8(d)		
Level	Mark	Descriptor
Level 1	1-3	expect either one of given factors well-explained or two of given factors scantily explained (e.g. clarified such as meaning of labour mobility) or further relevant factors listed (e.g. education; international organisations ..
Level 2	4-6	expect either two relevant (inc. those given) factors well-explained re promoting globalisation or all three given factors scantily explained (e.g. transport = jet air travel ..)
Level 3	7-9	expect three relevant (inc. those given) factors explained thoroughly as promoters of globalisation. Expect concept of global economy to be evident in L3+(9 mark) responses.

(Total 30 marks)

9. Human Welfare

Question Number	Answer	Mark
9(a)(i)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Expect</p> <ul style="list-style-type: none"> • 1. A (1) • 2. B or E (1) 	(2)

Question Number	Answer	Mark
9(a)(ii)	<p>Award 1 mark for basic idea of little/no environmental damage; protecting the environment...</p> <p>Credit fuller answers referring to idea of present actions and future consequences(e.g. not wrecking planet in future ..) with 2 marks.</p>	(2)

Question Number	Answer	Mark
9(a)(iii)	<p>Allow 1 mark for simple relationship between the 4 specific goals and women/child needs</p> <ul style="list-style-type: none"> • e.g. B & D relate to children; C & E to women (1). <p>Award up to 4 marks for reasons for focus on basis of 1 mark per outline reason</p> <ul style="list-style-type: none"> • e.g. women make greater economic contribution if equal..(1) <p>or 2 marks per full developed reason</p> <ul style="list-style-type: none"> • e.g. extended girl's education lowers the birth rate (1) because female careers possible(1). <p>Max of 3 for 3 outline reasons or for 2 reasons with at least one developed.</p>	(4)

Question Number		
9(a)(iv)		
Level	Mark	Descriptor
Level 1	1-2	expect an identified goal from A to H and a simple and brief justification (e.g. B - reading and writing very important(1); everyone needs (1) to be able to read and write(1). No mark as such for identifying goal.
Level 2	3-4	expect identified goal to be well justified i.e. 1-2 developed reasons (e.g. B - life advantages of literacy in terms of work etc..)

Question Number	Answer	Mark
9(b)(i)	Reserve 1 mark for naming a valid NGO e.g. Cafod, Oxfam... Award 1-2 descriptive marks: max for two items of work undertaken <ul style="list-style-type: none"> • e.g. digging wells(1); • setting up food stations(1) or one described project. 	(3)

Question Number		
9(b)(ii)		
Level	Mark	Descriptor
Level 1	1-3	expect lists of general aid spending and help to LEDCs (e.g. medicines provided; more food around ..) For L1+(3 marks) expect broad indications of how aid spending and general help can work to improve life in LEDCs e.g. better educated and healthier people more productive ...
Level 2	4-6	expect direct reference to aid projects raising living standards/quality of life in LEDCs. Specific projects/schemes, named LEDCs ... may be offered. For top of level (L2+=6 marks) expect reference to North-South development gap and possible narrowing.

Question Number		
9(b)(iii)		
Level	Mark	Descriptor
Level 1	1-3	expect either one developed reason or a listing of relevant factors e.g. not enough aid; 2015 too soon; corruption and poor governance in LEDCs; population growth ...
Level 2	4-6	expect more than one relevant factor developed into an explanatory reason. Evidence of range and explanation to be present.
Level 3	7-9	expect explicit reference to the MDGs and strong explanation in terms of at very least two relevant reasons for failure to met them. May offer a number of developed reasons, and explanation may be place-specific.

(Total 30 marks)

Unit 4370 Paper 3

Mark Scheme Question 1

Question Number	Answer	Mark
1(a)(i)	<ul style="list-style-type: none"> • Coal 	1 (1)

Question Number	Answer	Mark
1(a)(ii)	<ul style="list-style-type: none"> • 20% (accept 18 - 22%) 	1 (1)

Question Number	Answer	Mark
1(b)(i)	<ul style="list-style-type: none"> • Line drawn to within 1% • Both labels correctly labelled 	1 1 (2)

Question Number	Answer	Mark
1(b)(ii)	<ul style="list-style-type: none"> • Coal has decreased • An indication of the amount of decrease:- by about half, use of figures • Renewable resources have increased, • Indication of amount, use of figures 	1 1 1 1 (4)

Question Number	Answer	Mark
1(c)	<ul style="list-style-type: none"> • 18 kilometres accept 16 - 20 kilometres • South west / SS west/southern point • £13.35 (billion) does not need £ sign • Rail link/railway 	1 1 1 1 (4)

Question Number		Indicative content
1(d)		
Level	Mark	Descriptor
Level 1	1-2	Some statements taken from the resources, such as the barrage will supply 6% of UK energy but no additional development. Bottom of level for one idea/ expect at least two ideas to reach top of this level.
Level 2	3-4	One aspect is well developed e.g. the position of the local residents, or the high cost or two aspects are outlined. Statistical evidence such as e.g. supplying 6% of UK energy may be provided.
Level 3	5-6	Two aspects well developed and considered in a balanced way, good use made of supporting statistical evidence. At the top end there should be some supported arguments for the possible opposition of the barrage/or clear references to more than one resource.

Question Number	Answer	Mark
1(d)(ii)	<ul style="list-style-type: none"> • Basic idea - ask more people/ go to another town • Reason why that would extend work 	1 1 (2)

(Total 20 marks)

Mark Scheme Question 2

Question Number	Answer	Mark
2(a)(i)	<ul style="list-style-type: none"> 1. W - Herrliburg 2. X - Wetzwil 	1 1 (2)

Question Number	Answer	Mark
2(a)(ii)	<ul style="list-style-type: none"> 1. Y - Woodland. Allow forest or forestry or growing trees. 2. Z - Farming, crop growing, arable. Allow agriculture growing crops or open spaces. 	1 1 (2)

Question Number	Answer	Mark
2(a)(iii)	<ul style="list-style-type: none"> Modern housing Low density housing Housing two stories high area of woodland /trees rural area /semi rural indicates that houses in a specific area are similar in some way e.g. construction built near hills or an incline (the sketch makes this difficult to see) <p>Any other acceptable feature on the sketch</p>	1 1 1 1 1 1 (3)

Question Number	Answer	Mark
2(a)(iv)	<p>Buildings</p> <ul style="list-style-type: none"> Very few along lake Older buildings the more built up area (might comment on height, closer together) Newer houses away from lake, low, chalet style Few buildings in rural area, look older Might comment on that all look very well cared for. becomes more rural as there are less buildings away from town <p>To 3 maximum</p>	1 1 1 1 1 1

Question Number	Answer	Mark
2(a)(iv)	<p>Land Use</p> <ul style="list-style-type: none"> • Woods trees near to lake • Housing/urban 1km from lake • Fewer buildings in rural area, • Recreation (boats), main road along lake • Café, houses in older part of town, some services • Newer residential areas on edge of town • Open farmland with scattered farm houses <p>Other acceptable ideas</p> <p>To maximum of 3 marks</p> <p>Do not double mark with buildings</p>	<p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p>

Question Number	Answer	Mark
2(b)(i)	<ul style="list-style-type: none"> • Correct plots • Line drawn connecting plot 	<p>1</p> <p>1</p> <p style="text-align: right;">(2)</p>

Question Number	Answer	Mark
2(b)(ii)	<ul style="list-style-type: none"> • 6, 000 • Allow 5,900 to 6,100 	<p>1</p> <p style="text-align: right;">(1)</p>

Question Number		Indicative content
2(c)		Should comment on the reasons for moving and show linkage between the resources
Level	Mark	Descriptor
Level 1	1-2	Uses information from the resources without development such as because of cheaper taxes Bottom of level for one idea/ expect at least two ideas to reach top of this level.
Level 2	3-4	Draws on material from one resource, probably the questionnaire e.g. it shows people move because of the scenery which is very rural with excellent views over the lake. may be one well developed idea or two ideas which are outlined. Statistical evidence may be provided.
Level 3	5-6	Must show the clear extension of at least two ideas Development of the statistical evidence At the top end will show evidence of using more than one resource and may develop links between them for example may notice the link between high taxation and the majority of people moving to avoid this within Switzerland

(Total 20 marks)

Mark Scheme Question 3

Question Number	Correct Answer	Acceptable Answers	Reject	Mark
3(a)	Two aims that are geographically relevant	<ul style="list-style-type: none"> • A relevant aim • A relevant aim 	Aims that are clearly not geographical, such as a visiting the animal orphanage to see what animals were there	2x1 (2)

Question Number	Answer	Mark
3(b)(i)	Must refer to planned data collection A list of data to be collected but must be relevant to the given aims Point mark 4x1 mark Credit secondary data	(4)

Question Number	Indicative content	
3b(ii)	Must refer to data outlined in b(i)	
Level	Mark	Descriptor
Level 1	1-2	One or two simple statements such as the I collected data using a tally
Level 2	3-4	A clear description of the data collection methods with some reference to b(i)

Question Number	Indicative content	
3(b)(iii)	Must relate to the data collection planned in 3b(i)	
Level	Mark	Descriptor
Level 1	1-2	Makes simple statements about the accuracy or how representative the data proved to be -it was easy to carry out, I knew how to use the equipment
Level 2	3-4	Makes more detailed comments about both aspects

Question Number	Acceptable Answers	Reject	Mark
3(c)	In each case allow one mark for a suitable method and other marks for the description of the method (This can be in the form of an annotated diagram) or three marks (point marked) may be given for a very good description.	Methods that are not appropriate to the data collection given in 3b(i)	(6)

(Total 20 marks)

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