Mark Scheme (Results)
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iGCSE Geography (4370) Paper 2H

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Unit 4370 Paper 2H

Section A

1. Water

Question Number	Answer	Mark
1(a)(i)	2 + 2 marks – maximum 4 marks. Allocate 2 marks to each regime. Look for two valid observations per regime for 2 mark max. • e.g. low summer flow on Thames (1); • winter peak on Thames (1) …	(4)

Question Number	Answer	Mark
1(a)(ii)	Maximum 2 marks. Award 1 mark for snowmelt idea with 2nd mark for direct reference to climate and spring/summer melting.	(2)

Question Number	Answer	Mark
1(a)(iii)	2 marks for each non-climatic factor. 2 + 2 marks – maximum 4 marks. Award 2 x 1 for naming of appropriate non-climatic factors • e.g. rock type (1); • river engineering (1) … 2nd marks available in each case for explaining influence on discharge • e.g. permeable rock lowers discharge through groundwater flow (1).	(4)

Question Number		
1(b)		
Level	Mark	Descriptor
Level 1	1-2	Expect a valid sketch e.g. a V-shaped valley; a steep long-profile; an interlocking spur/upland drawing …
Level 2	3-4	expect valid labelling of features e.g. waterfall; steep banks; narrow bed … Expect more than one feature labelled for max. marks

Question Number	Answer	Mark
1(c)	Maximum 6 marks. No marks as such for naming of dam but without it max of 4. Allocate up to 3 marks for purposes • e.g. HEP; water supply; navigation improvement … Max requires naming but could be acquired by listing of valid purposes or developing two purposes. Allocate 3 marks for impacts • e.g. industrialisation from electrification; • raised farm yields from irrigation … Expect effects to be explicit and as above, allow long listing or short listing with development (plus naming) for max marks.	(6)

(Total 20 marks)

2. Hazards

Question Number	Answer	Mark
2(a)(i)	2 marks for each correct reason. 2 +2 marks – maximum 4 marks.	
	Credit up to two distinctive and valid factors with 1 mark each	
	• e.g. low-lying (1);	
	• along track (1) ...	
	Award 2nd mark in each case if factor developed into full reason e.g. low-lying so storm waves quickly spread over ...	(4)

Question Number	Answer	Mark
2(a)(ii)	Maximum 4 marks.	
	Award up to 2 marks for offering information from Fig. 2 about death toll, property damage etc...	
	Reserve 2 marks for relating this to long-term disaster	
	• i.e. recovery difficult/depress future wealth-living standards/personal tragedies	
		(4)

Question Number	Answer	Mark
2(a)(iii)	2 marks for correct definition.	
	Reserve 1 mark for direct clarification of term	
	• i.e. humanitarian help needed quickly; life-threatening ...	
	Allow 1 mark for relevant examples	
	• e.g. food supplies (1);	
	• tents (1) ...	
	Expect an example and the term for max. marks.	(2)

Question Number		
2(b)		
Level	Mark	Descriptor
Level 1	1-2	expect short-listing of actions e.g. prediction; sea walls; evacuation ... More than two of such then take to L2- (3 marks)
Level 2	3-4	expect some description of actions with some implicit understanding of damage-limitation for max. (L2+/4 marks) e.g. satellites giving early warning and evacuation announcements.

Question Number	Answer	Mark
2(c)	3 + 3 marks - maximum 6 marks. Expect to award up to 3 marks for characteristics and up to 3 marks for causation. Each maximum marks can be achieved by single points or developed points with 2-mark max for each. Characteristics points include • circular; • eye; • altitude; • cloud ... Causation response should refer to • hot tropical seas; • time of year; • revolving low-pressure cells; • energy build-up...	(6)

(Total 20 marks)

3. Production

Question Number	Answer	Mark
3(a)(i)	1 mark for correct answer. • Secondary	(1)

Question Number	Answer	Mark
3(a)(ii)	Maximum 5 marks. Award 1-2 marks for indicating how 1-2 named inputs might change to initiate relocation • i.e adjectival change • e.g. labour shortage (1); • depleting raw materials; • new motorway (1) … Reserve 3 marks for developing one or more of these input changes into a relocation explanation • e.g. motorway building draws industries to it as deliveries and markets for goods more quickly accessed.	(5)

Question Number	Answer	Mark
3(a)(iii)	Maximum 4 marks. Max of 3 marks if disadvantages stated only irrespective of number • e.g. pollution(1); • explosions(1) .. Expect distinctiveness. Maximum mark requires description (e.g. example) of at least one disadvantage. Two developed disadvantages = maximum mark.	(4)

Question Number		
3(a)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect either characteristics listed or one characteristic described e.g. casual work …
Level 2	3-4	expect at least two characteristics developed e.g. casual work; no tax; job types …

Question Number	
3(c)	

Level	Mark	Descriptor
Level 1	1-2	expect a sketchy description of the sectoral changes e.g. primary contracts ...
Level 2	3-4	expect either a thorough description of the changes to at least three sectors i.e. primary contraction; deindustrialisation; tertiarisation or a sketchy description with some attempts at explanation i.e. reasons why lots of farmers in LEDCs ..
Level 3	5-6	expect thorough description of sectoral changes and some attempts at explanation.

(Total 20 marks)

4. Development

Question Number	Answer	Mark
4(a)(i)	1 mark for correct answer. • Accept grows/increases/rises …	(1)

Question Number	Answer	Mark
4(a)(ii)	1 mark for correct answer. • Expect gas/LNG. Accept oil or oil and gas	(1)

Question Number		
4(a)(iii)		
Level	Mark	Descriptor
Level 1	1-2	expect either simple statement about creating jobs or money coming in OR straight extractions from Fig. 4 (e.g. building; in-migration …)
Level 2	3-4	expect idea of job creation and export earnings developing (e.g. new well-paid jobs where none before; money from abroad going into building roads, importing new goods …)

Question Number		
4(a)(iv)		
Level	Mark	Descriptor
Level 1	1-2	expect immigration and/or falling death rates stated as cause of population growth when economic development takes country out of poverty
Level 2	3-4	expect some pull factors i.e. economic migration (e.g. migrant builders …) or improvements in medicine, public hygiene and diet lowering death rate.

Question Number		
4(b)		
Level	Mark	Descriptor
Level 1	1-2	expect affordability idea and listing of new spending e.g. schools, roads
Level 2	3-4	expect idea of human and social development arising from greater affordability and spending e.g. life expectancy improves; literacy increases; peoples' lives change for better …

Question Number		
4(c)		
Level	Mark	Descriptor
Level 1	1-2	expect a valid but brief response to one aspect of question i.e. why (e.g. non-renewable energy; over--reliance ..) or how (e.g. tourism, financial services .. like Dubai)
Level 2	3-4	expect either one aspect of question answered well (for L2-/3 marks) or both aspects attempted and offering valid points without thorough description/explanation. Meaning of diversification to be clarified.
Level 3	5-6	expect both aspects of question well addressed with clear reference and at least, implicit understanding of meaning of sustainability.

(Total 20 marks)

5. Migration

Question Number	Answer	Mark
5(a)(i)	Maximum 2 marks. Allocate 1 mark per dated trend • i.e. level 2002-4 (1); • fell 2004-6 (1); • rose 2006-7 (1). Any two of these three trends = maximum mark.	(2)

Question Number	Answer	Mark
5(a)(ii)	Maximum 2 marks. Allocate 1 mark for reference to immigration and emigration, and 1 mark to balance/imbalance between them. i.e. immigration – emigration = max mark	(2)

Question Number	Answer	Mark
5(a)(iii)	Maximum 2 marks. Reserve 1 mark for basic point that economic growth means more jobs and so immigrants (1). Maximum marks for adding either development or for clarifying meaning of positive i.e. high immigration.	(2)

Question Number	Answer	Mark
5(b)	2 marks for each **push factor**. 2 + 2 marks - maximum 4 marks. Award initial mark(s) for naming of valid factor(s) • e.g. war (1); • famine (1) … If factor developed into explanation • i.e. full reason (e.g. hungry people go in search of food elsewhere) award 2nd mark.	(4)

Question Number	Answer	Mark
5(c)(i)	2 marks for each **pull factor**. 2 + 2 marks - maximum 4 marks. Award 1 mark per valid factor and 2 marks per developed reason. Valid factor • e.g. rural peace and quiet (1) … Max marks for two such factors developed into full reasons • e.g. improved transport means people can commute long-distances from villages to urban jobs …	(4)

Question Number	
5(c)(ii)	

Level	Mark	Descriptor
Level 1	1-2	expect simple short-listing of consequence(s) re one type of area (rural or urban)
Level 2	3-4	expect either long list for one type area or one consequence well-described or listing (short or long) for both types of area. Longer list for both rural and urban areas worthy of max marks.
Level 3	5-6	expect description, at least three clear consequences, both types of area (for L3-/5 marks) and examples (for max mark).

(Total 20 marks)

6. Urban Environments

Question Number	Answer	Mark
6(a)(i)	1 mark for correct answer from one of the following. Accept • Tokyo • or Mexico City	(1)

Question Number	Answer	Mark
6(a)(ii)	2 marks for each point. 2 + 2 marks – maximum 4 marks. 1. City size - 2 marks available. • Award 1 mark for larger/increase • ... with 2nd mark for evidence e.g. 6 @ 20 million plus in 2025 none in 1970 ... 2. the mix of MEDC/LEDC locations – 2 marks available • Award 1 mark for locational shift to LEDCs with 2nd mark for evidence e.g. 4 of 6 in MEDCs in 1970 but by 2025 only 1 of 6.	(4)

Question Number	Answer	Mark
6(a)(iii)	1 mark for correct answer. • 10 million	(1)

Question Number	Answer	Mark
6(a)(iv)	1 mark for each correct reason – maximum 4 marks. Max marks can be for four valid but distinctive factors • e.g. industrialisation (1); • in-migration (1); • falling death rate (1) Maximum marks also available for two well-developed reasons.	(4)

Question Number	Answer	Mark
6(b)(i)	2 marks for each correct problem. 2 + 2 marks = maximum 4 marks. Award an initial mark for valid problem naming • e.g. shanty towns (1); • traffic congestion (1); • overstretched services (1) … 2nd mark available in each case if problem described.	(4)

Question Number		
6(b)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect simple generic management initiatives, perhaps as a short-list. Credit initiatives not related to specific problems offered in (v) but to general urban issues.
Level 2	3-4	expect initiatives linked to stated problems. Initiatives to be explicit.
Level 3	5-6	expect reference to named city, response to cover more than one problem or more than one initiative, and concept of problem management to be clear.

(Total 20 marks)

Section B

7. Fragile Environments

Question Number	Answer	Mark
7(a)(i)	1 mark for correct definition. Credit any accurate definition however brief • e.g. forest clearance	(1)

Question Number	Answer	Mark
7(a)(ii)	2 marks for each correct point. 2 + 2 marks – maximum 4 marks. 1. Award 1 mark for rainforests mainly tropical/largest forests tropical with 2nd mark for point that main deforesting continents largely tropical in location • i.e. Africa and South America. 2. Award 1 mark for point that globe is deforesting with 2nd mark for support • e.g. 73000 sq. kms. (1); • 4 of 6 continents deforesting (1) …	(4)

Question Number	
7(b)	5 marks available for each part and marked on a levels basis as follows: (10)

Level	Mark	Descriptor
Level 1	1-3	expect stated impacts/effects valid for each heading e.g. : • in part 1. species loss; flooding; job creation … • in part 2. more CO_2; global warming; stronger greenhouse effect …
Level 2	4-5	expect explanation and process valid for each heading e.g.: • for part 1 - biodiversity reduction; beneficial and damaging; increased run-off … • for part 2 - explanation of how more CO_2 created at same time as less absorbed leading to …. Process essential here.

Question Number	Answer	Mark

7(c)	Maximum 4 marks.
	
	Award 1 mark up to max of 4 for relevant factors
	  • e.g. lumbering (1);
	  • ranching (1);
	  • road-building (1) …
	
	Award developed factors i.e. full reasons with 2 marks but reserve max mark of 6 for those offering example(s) to support their reasons e.g. Amazonian cattle ranching ..
		(6)

Question Number		
7(d)		
Level	Mark	Descriptor
Level 1	1-3	expect either the how (i.e. international actions) or the why (i.e. reasons) addressed in simple terms. May attempt to explain the meaning of the headline.
Level 2	4-6	expect either both question aspects addressed simply or one aspect well-addressed e.g. aid agreements; agroforestry schemes …
Level 3	7-9	expect a balanced response with examples, reasons and a clear appreciation of the terms, sustainability and international cooperation.

(Total 30 marks)

8. Globalisation

Question Number	Answer	Mark
8(a)(i)	Maximum 3 marks. Reserve 1 mark for clarifying the nature of TNCs • e.g. large global firms (1). Award up to 2 marks for either developed piece of evidence • e.g. firm with global reach and plants in almost every continent .. or up to two points of evidence • e.g. world-wide distribution (1); • Korean firm with plants in Africa (1) …	(3)

Question Number	Answer	Mark
8(a)(ii)	Maximum 4 marks. Award 1 mark per valid comparative observation up to max of 4 • e.g. more offices than factories in MEDCs (1); • only offices in Africa; most factories in Asia (1); • few factories but mainly offices in the Americas (1) …	(4)

Question Number	Answer	Mark
8(a)(iii)	3 + 3 marks – maximum 6 marks. Mark on 3 + 3 basis with max marks in each case (3) for either list of relevant factors • e.g. cheap labour (1); • near to H/Q (1) … or for two factors developed into full reasons • e.g. Asian factories where labour cheap (1) so costs and prices lower (1); • MEDC offices where largest markets (1) so sales highest (1).	(6)

Question Number	Answer	Mark
8(b)(i)	2 marks for correct definition. Award 1 mark for chain concept clarified i.e. parts; stages .. with 2nd mark for linking to global i.e. supplies worldwide …	(2)

Question Number		
8(b)(ii)		
Level	Mark	Descriptor
Level 1	1-2	expect short-list of factors stated e.g. jet air travel; the UN; the media and communications …
Level 2	3-4	expect some explanation of factors, especially at top of level. Long list of valid and distinctive factors = L2- (4 marks)
Level 3	5-6	expect explicit reference to how factors link up and make world interdependent. Look for explanation and clear appreciation of meaning of modern global economy.

Question Number		
8(c)		
Level	Mark	Descriptor
Level 1	1-3	expect either a brief but balanced response where a few advantages and disadvantages stated as simple factors OR an unbalanced account of one side with a few factors expressed as advantages or disadvantages
Level 2	4-6	expect a balanced account of a few factors expressed as both advantages and disadvantages
Level 3	7-9	expect explanation, balance and explicitness.

(Total 30 marks)

9. Human Welfare

Question Number	Answer	Mark
9(a)(i)	1 mark for each correct answer. Maximum 2 marks. 1. credit either: • Botswana • Kenya • or Zambia 2. credit either: • Mozambique • South Africa • or Swaziland	(2)

Question Number	Answer	Mark
9(a)(ii)	Maximum 2 marks for correct definition. For max marks expect full definition • e.g. expected length of life at birth = 2 marks. Less full definition • e.g. how long people live = 1 mark	(2)

Question Number	Answer	Mark
9(a)(iii)	3 marks for each factor. 3 x 3 marks – maximum 9 marks. 3 x 1 identification marking i.e. naming valid and distinctive factors • e.g. food supply (1); • clean water supply (1); • medical facilities (1) Further 2 marks available if factors developed into explanation with brief development • e.g. clean water stops disease ... = 1 mark and full explanation of factor's impact on raising/lowering life expectancy • e.g. preventing water-borne diseases keeps people alive longer ... = 2 marks.	(9)

Question Number	Answer	Mark
9(b)	2 marks for correct definition. Award max mark for full precise definition • e.g. number of deaths per live-births among under-1s (accept under-5s). Award 1 mark if definition sketchy, imprecise but along right lines.	(2)

Question Number		
9(c)		
Level	Mark	Descriptor
Level 1	1-2	expect simple statements about nature of aid e.g. food donations; money for digging wells; school building programme
Level 2	3-4	expect some reference to impact of aid on quality of life e.g. new school skills children for work; new well means cleaner water
Level 3	5-6	expect a named example(s) of how specific aid scheme(s) improve ordinary people's lives

Question Number		
9(d)		
Level	Mark	Descriptor
Level 1	1-3	expect relevant stated only indicators/indexes e.g. GDP; HDI; literacy rate
Level 2	4-6	expect some explanation of one indicator/index as an effective measure, perhaps of welfare as opposed to economic development
Level 3	7-9	expect a range of indicators/indexes with explanation which are applicable to human welfare i.e. lives of ordinary people.

(Total 30 marks)