

Mark Scheme (Results)

Summer 2008

IGCSE

IGCSE Geography (4370/1F)

Unit 4370 Paper 1F

1. Water

Question Number	Answer	Mark
1(a)(i)	1 mark for correct date. <ul style="list-style-type: none"> • 9 August 	(1)

Question Number	Answer	Mark
1(a)(ii)	Stream A <ul style="list-style-type: none"> • 48 hours Stream B <ul style="list-style-type: none"> • 96 hours 	1 1 (2)

Question Number	Answer	Mark
1(a)(iii)	1 mark for correctly marked base flow of Stream A - see below. <ul style="list-style-type: none"> • expect straightish line between 7 and 11 August plots 	(1)

Question Number	Answer	Mark
1(a)(iv)	1 mark for correct answer. <ul style="list-style-type: none"> • valid definition e.g. amount/volume of water 	(1)

Question Number	Answer	Mark
1(a)(v)	1 mark for each valid difference from the following. <ul style="list-style-type: none"> • e.g. regular v irregular; • low v higher <p style="text-align: right;">(2 x 1)</p> Notes <ul style="list-style-type: none"> • expect difference to be evident 	(2)

Question Number	Answer	Mark
1(a)(vi)	<p>2 marks for each reason given. 1 mark for partial process and 1 mark for development.</p> <p>1 mark for partial process</p> <ul style="list-style-type: none"> e.g. high run-off <p>1 mark for development</p> <ul style="list-style-type: none"> i.e. impermeability/flashiness in each case. <p>(2 x 2)</p>	(4)

Question Number	Answer	Mark
1(b)	<p>2 marks for each explanation. 1 mark for stated impact in each case and 1 mark for explanation.</p> <p>1 mark for stated impact</p> <ul style="list-style-type: none"> e.g. urban land increases discharge <p>1 mark for explanation</p> <ul style="list-style-type: none"> e.g. impermeability of <p>(2 x 2)</p>	(4)

(Total 15 marks)

2. Hazards

Question Number	Answer	Mark
2(a)(i)	<p>1 mark for each correctly stated class of earthquake.</p> <ul style="list-style-type: none"> • 1. major • 2. great <p style="text-align: right;">(2 x 1)</p>	(2)

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

Question Number	Answer	Mark
2(b)(i)	<p>2 marks for valid definition - see below.</p> <ul style="list-style-type: none"> • Valid definition i.e. point on Earth's surface above origin (2 marks) <p>Notes Partial definition = 1 mark.</p>	(2)

Question Number	Answer	Mark
2(b)(ii)	<p>1 mark for each correct answer from the following.</p> <ul style="list-style-type: none"> • less damage further from • e.g. structural damage in zone 1; furniture rattles in zone 3 	(2)

Question Number	Answer	Mark
2(c)	<p>1 mark for each correct answer from the following - maximum 4 marks.</p> <ul style="list-style-type: none"> • 1 - 3 marks buildings; • 3 - 1 mark transport. • Point mark within those parameters <ul style="list-style-type: none"> • e.g. knock down weak buildings (1); • slight damage to resistant buildings (1); • train rails bend (1) 	(4)

Question Number	Answer	Mark
2(d)	<p>1 mark for each correct answer from the following - maximum 4 marks.</p> <ul style="list-style-type: none"> • 1 - 3 marks prediction; • 3 - 1 marks preparation. • Point marking <ul style="list-style-type: none"> • e.g. drills (1); • disaster plans (1) • emergency supplies (1) → development / named examples (1) • Sensitive equipment (1); • mapping previous quakes (1); • observing animal behaviour (1) 	(4)

(Total 15 marks)

3. Production

Question Number	Answer	Mark
3(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> Natural gas 	1 (1)

Question Number	Answer	Mark
3(a)(ii)	1 mark for each correct answer from any of the following - maximum 2 marks. <ul style="list-style-type: none"> wind; wave; tidal; HEP; solar 	(2 x 1) (2)

Question Number	Answer	Mark
3(a)(iii)	1 mark per valid advantage - maximum 2 marks. <ul style="list-style-type: none"> clean or equivalent inexhaustible or equivalent 1 mark per valid advantage. Credit any distinctive advantage.	(2)

Question Number	Answer	Mark
3(a)(iv)	1 mark for each correct answer from any of the following - maximum 2 marks. <ul style="list-style-type: none"> 1 mark for clarifying/understanding concept of energy "mix" (e.g. 1 mark = not overdependent; 1 mark = energy very important) Other valid points = 1 mark 	(2)

Question Number	Answer	Mark
3(b)(i)	1 mark for correct answer. <ul style="list-style-type: none"> Valid source e.g. petrol in cars 	(1)

Question Number	Answer	Mark
3(b)(ii)	<p>1 mark per valid reason - maximum 3 marks.</p> <p>For maximum 3 stated factors</p> <ul style="list-style-type: none"> • e.g. rising living standards; • more transport <p>or 2 factors with development.</p> <p style="text-align: right;">(3 x 1 or 1 + 1 + 1)</p>	(3)

Question Number		
3(c)		
Level	Mark	Descriptor
Level 1	1-2	States advantages e.g. guaranteed; no CO ₂ emissions;
Level 2	3-4	Developed into an argument e.g. not import-reliant; CO ₂ emissions serious issue. Expect disadvantages and evaluative comment for max mark.

(Total 15 marks)

4. Development

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

Question Number	Answer	Mark
4(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> Any G7 country except USA, Japan, Germany (i.e. UK; France; Italy, Canada) Reject USA.	(1)

Question Number	Answer	Mark
4(a)(iii)	1 mark for correct answer. <ul style="list-style-type: none"> Credit fall/decline or equivalent 	(1)

Question Number	Answer	Mark
4(a)(iv)	2 marks for valid definition - see below. <ul style="list-style-type: none"> Valid and full definition (not Gross Domestic Product only) Notes Partial indication = 1 mark	(2)

Question Number	Answer	Mark
4(b)	2 marks for each option. 1 mark for each correct answer from the following - see below. Maximum of 6 marks available. In each case, max for 2 valid points or one developed point <ul style="list-style-type: none"> e.g. 1 new markets → more production → income from abroad = max 2 marks Expect basic point to be higher productivity for 2 and large labour force for 3 <p style="text-align: right;">(3 x 2)</p>	(6)

Question Number	Answer	Mark
4(c)	<p>2 marks for description and then 2 marks for reason - maximum 4 marks.</p> <p>Description</p> <ul style="list-style-type: none"> • 1 - 2 mark i.e. rapid urban rise; slower rural rise <p>Reasons</p> <ul style="list-style-type: none"> • 1 - 2 marks (e.g. urban industrialisation) • developed explanation or second region for max mark. 	(4)

(Total 15 marks)

5. Migration

Question Number	Answer	Mark
5(a)(i)	<p>1 mark for each word placed in correct blank space.</p> <ul style="list-style-type: none"> • Africa • Immigrants <p>(2 x 1)</p>	(2)

Question Number	Answer	Mark
5(a)(ii)	<p>1 correct answer from any of the following. 1 mark for each valid obstacle - maximum 2 marks.</p> <ul style="list-style-type: none"> • Distance; • cash; • crowded boat; • dangers <p>(2 x 1)</p>	(2)

Question Number	Answer	Mark
5(a)(iii)	<p>1 mark for correct definition - see below.</p> <ul style="list-style-type: none"> • Credit valid statement e.g. arrives without government permission 	(1)

Question Number	Answer	Mark
5(b)	<p>2 marks for each explanation. 1 mark for correctly identifying factor and 1 mark for justification/explanation. Maximum of 6 marks available.</p> <p>3 x 1 for identifying factors correctly as:</p> <ul style="list-style-type: none"> • push or pull e.g. poverty = push <p>1 mark in each case for justification/explanation.</p> <p>(3 x 2)</p>	(6)

Question Number	Answer	Mark
5(c)	<p>1 mark for each correct answer - see below. Maximum of 4 marks.</p> <p>1 mark for valid reaction</p> <ul style="list-style-type: none"> • e.g. happy to let them go; • keen to stop them <p>Why = 3 marks.</p> <ul style="list-style-type: none"> • 2 reasons with 1 developed = max. • Reasons for stated reaction sought. <p>Notes Max of 2 if reaction not at least implicit.</p>	(4)

(Total 15 marks)

6. Urban Environments

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

Question Number	Answer	Mark
6(a)(ii)	1 mark for both answers correct - maximum 1 mark. <ul style="list-style-type: none"> A - Greenfield land B - outer suburbs 	1 (1)

Question Number	Answer	Mark
6(a)(iii)	1 mark for correct feature. <ul style="list-style-type: none"> Road or equivalent 	 (1)

Question Number	Answer	Mark
6(a)(iv)	1 mark for each correct answer - see below. <ul style="list-style-type: none"> 1 valid point e.g. green belt (1) with development (1) or 2 valid points e.g. road <p style="text-align: right;">(2 x 1)</p>	 (2)

Question Number	Answer	Mark
6(a)(v)	3 marks for each group. 1 mark for group and 2 marks for reason given - see below. Maximum of 6 marks. <ul style="list-style-type: none"> 1 mark per valid group e.g. distributors mark each reason out of 2 with brief reason (1) and developed reason worth 2. <p style="text-align: right;">(2 x 3)</p>	 (6)

Question Number	Answer	Mark
6(a)(vi)	<p>1 mark for each correct answer - see below. Maximum of 4 marks.</p> <p>Allocate 2 marks to conflict with residents and 2 to conflict with environmentalists.</p> <ul style="list-style-type: none"> • In each case: <ul style="list-style-type: none"> • conflict outlined (1) • conflict developed (2). <p>Notes Responses not showing conflict with named developer limited to 2 x 1. Otherwise 2 x 2.</p>	(4)

(Total 15 marks)

Total for Section A: 90 marks

7. Fragile Environments

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

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

Question Number	Answer	Mark
7(a)(iii)	1 mark for each correct answer - see below. Maximum 2 marks. <ul style="list-style-type: none"> • Little or no rainfall (1) • low and unreliable rainfall and permanent river (1) Expect both for max mark. (2 x 1)	(2)

Question Number	Answer	Mark
7(b)(i)	1 mark for correct definition - see below. <ul style="list-style-type: none"> • Accept valid definition i.e. very dry; no rainfall 	(1)

Question Number	Answer	Mark
7(b)(ii)	Soil erosion <ul style="list-style-type: none"> • The washing away or blowing away of soil desertification <ul style="list-style-type: none"> • little vegetation now covering an area Credit only if one X in column.	1 1 (2)

Question Number	Answer	Mark
7(b)(iii)	1 mark for each correct reason from any of the following. Maximum 2 marks. <ul style="list-style-type: none"> • Credit any 2 valid reasons e.g. no plants grow; • water table falls; • bare soil left (2 x 1)	(2)

Question Number	Answer	Mark
7(c)(i)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>2 valid ways:</p> <ul style="list-style-type: none"> • e.g. overgrazing; • deforestation <p style="text-align: right;">(2 x 1)</p>	(2)

Question Number	Answer	Mark
7(c)(ii)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <p>Credit either up to 3 basic ways</p> <ul style="list-style-type: none"> • e.g. little use for farming; • famine; • or a developed consequence. <p style="text-align: right;">(3 x 1)</p>	(3)

Question Number		
7(d)		
Level	Mark	Descriptor
Level 1	1-2	expect a list of measures e.g. afforestation
Level 2	3-4	expect some description, perhaps outlining of a measure
Level 3	5-6	Expect either a range of place-located measures outlined or a detailed case study (e.g. magic stones in Burkina Faso)

(Total 20 marks)

8. Globalisation

Question Number	Answer	Mark
8(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • LEDC → NIC 	1 (1)

Question Number	Answer	Mark
8(a)(ii)	1 mark for correctly marked LEDC. <ul style="list-style-type: none"> • Credit any valid LEDC e.g. Kenya; Bangladesh 	(1)

Question Number	Answer	Mark
8(a)(iii)	1 mark for 2 correctly marked MEDC countries <ul style="list-style-type: none"> • Suggest two of: USA (or N America); Japan; Australasia (or Oceania); EU member countries. Both required.	(1)

Question Number	Answer	Mark
8(a)(iv)	Chinese investment into Africa <ul style="list-style-type: none"> • C UK companies transfer production to Bangladesh <ul style="list-style-type: none"> • D South Korean companies build factories in the UK <ul style="list-style-type: none"> • A UK shops are full of cheaper Asian goods <ul style="list-style-type: none"> • B <p style="text-align: right;">(4 x 1)</p>	1 1 1 1 (4)

Question Number	Answer	Mark
8(a)(v)	1 mark for correctly labelled arrow. <ul style="list-style-type: none"> • Suggest: MEDC → LEDC Notes (accept NIC → LEDC)	(1)

Question Number	Answer	Mark
8(a)(vi)	1 mark for correct term. <ul style="list-style-type: none"> • Global shift 	(1)

Question Number	Answer	Mark
8(b)(i)	1 mark each for each correct answer - see below. Maximum 2 marks. Credit two valid aspects of a TNC <ul style="list-style-type: none"> • e.g. cross-borders; • H/Q overseas <p style="text-align: right;">(2 x 1)</p>	(2)

Question Number	Answer	Mark
8(b)(ii)	1 mark for each correct answer from any of the following. Maximum 2 marks. <ul style="list-style-type: none"> • key part (1); • drive globalisation (1); • globalisation defined (1); • import goods (1); • export capital (1) 	(3)

Question Number		
8(c)		
Level	Mark	Descriptor
Level 1	1-2	expect simple, generic points (e.g. profit), or specific but outline individual point (e.g. low labour costs)
Level 2	3-4	expect at least two specific and relevant reasons (e.g. creation of new local markets; poorer working conditions permissible)
Level 3	5-6	expect explanation of at least two of these specific and relevant reasons.

(Total 20 marks)

9. Human Welfare

Question Number	Answer	Mark
9(a)(i)	1 mark for correct country. <ul style="list-style-type: none"> • Japan 	(1)

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

Question Number	Answer	Mark
9(a)(iii)	1 mark for correctly drawn trend (best-fit) line - see below. <ul style="list-style-type: none"> • Approx from 0.2 on vertical scale to USA dot as straight line. 	(1)

Question Number	Answer	Mark
9(a)(ii)	1 mark for correct answer - see below. Maximum 1 mark. <ul style="list-style-type: none"> • low HDI and low GDP pp etc or equivalent 	(1)

Question Number	Answer	Mark
9(a)(ii)	1 mark for any one correct LEDC. Maximum 1 mark. <ul style="list-style-type: none"> • Accept any one of Cuba, Georgia, Tajikstan, Vietnam 	(1)

Question Number	Answer	Mark
9(a)(vi)	1 mark for each correct answer - see below. 2 marks available for each point. Maximum of 4 marks. 1. <ul style="list-style-type: none"> • resources/affordability idea (1); development/application to HDI e.g. schools (1) 2. <ul style="list-style-type: none"> • spending priorities idea (1); development/exemplification e.g. nurses v soldiers (1) <p style="text-align: right;">(2 x 2)</p>	(4)

Question Number	Answer	Mark
9(a)(vii)	1 mark for correct definition - see below. <ul style="list-style-type: none"> Valid definition i.e. average length of life 	(1)

Question Number	Answer	Mark
9(b)	1 mark for each valid indicator of derivation, e.g. income level, overcrowding. 2 nd mark in each case of description/ development (e.g. meaning of indicator, how it indicates deprivation). (4 x 1)	(4)

Question Number		
9(c)		
Level	Mark	Descriptor
Level 1	1-2	expect short list of valid factors, perhaps generic e.g. de-industrialisation; immigrants
Level 2	3-4	expect reference to named city and either long list of tied factors or short list of tied and developed factors
Level 3	5-6	expect case study-style approach with city knowledge. City to be named and factors to be turned into at least 2 full reasons.

(Total 20 marks)

Total for Section B: 20 marks

Total for Paper: 110 marks