

# Mark Scheme (Results)

## November 2009

iGCSE

### iGCSE Geography (4370) Paper 1F

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## Unit 4370 Paper 1F

### 1. Water

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

Question Number	Answer	Mark
1(a)(ii)	1. 1 mark for correct answer <ul style="list-style-type: none"> <li>• Yenisey</li> </ul> 2. Award 1 mark to snowmelt with 2 <sup>nd</sup> mark for clarification of concept <ul style="list-style-type: none"> <li>• e.g. spring/summer thaw raises discharge</li> </ul>	1  1  1  (3)

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

Question Number	Answer	Mark
1(a)(iv)	2 + 2 marks.  Award initial mark (2x1) for naming of up to two valid influences e.g. : <ul style="list-style-type: none"> <li>• rock type(1); river engineering(1); vegetation cover(1)...</li> </ul> Award 2 <sup>nd</sup> mark in each for development/description i.e. nature of factor's influence on discharge e.g. impermeable rocks raise run-off and discharge	(4)

Question Number	Answer	Mark
1(a)(v)	2 marks for correct answer.  Award 1 mark for broad outline <ul style="list-style-type: none"> <li>• e.g. annual flow pattern ..</li> </ul> Award 2 <sup>nd</sup> mark for detail/specificity <ul style="list-style-type: none"> <li>• e.g. average/normal; month by month</li> </ul>	(2)

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 correctly labelled features e.g. waterfall; spurs; steep banks ... More than one feature for max.

(Total 15 marks)

## 2. Hazards

Question Number	Answer	Mark
2(a)(i)	<p>1 mark for correct answer - one of either of the following.</p> <ul style="list-style-type: none"> <li>• Laputta</li> <li>• Dedaye</li> </ul>	(1)

Question Number	Answer	Mark
2(a)(ii)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <ul style="list-style-type: none"> <li>• Credit up to any three distinctive and valid factors e.g. onshore cyclone (1);</li> <li>• lowlying land (1);</li> <li>• storm waves (1);</li> <li>• no coastline protection (1)</li> </ul>	(3)

Question Number	Answer	Mark
2(a)(iii)	<p>Maximum 3 marks.</p> <p>Maximum of 2 marks for mere data “lifting” on a point marking basis providing points distinctive</p> <ul style="list-style-type: none"> <li>• i.e. death toll (1);</li> <li>• property destruction (1) ...</li> </ul> <p>Full marks calls for application of evidence to term, major</p> <ul style="list-style-type: none"> <li>• i.e. long-term(1);</li> <li>• difficult to recover from (1)</li> </ul>	(3)

Question Number	Answer	Mark
2(a)(iv)	<p>2 x 1 marks. Maximum 2 marks.</p> <p>Expect to award 1 mark to each of two of the following points:</p> <ul style="list-style-type: none"> <li>• flooding of roads .... (1);</li> <li>• sea route and affected areas juxtaposed (1);</li> <li>• speed of air aid from MEDCs (1).</li> </ul>	(2)

Question Number	Answer	Mark
2(a)(v)	<p>2 x 1 marks. Maximum 2 marks.</p> <p>Question is looking for emergency aid. Credit up to two distinctive types</p> <ul style="list-style-type: none"> <li>• e.g. food/blankets (1);</li> <li>• tents/accommodation (1);</li> <li>• fresh water (1) ...</li> </ul>	(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 three 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.

(Total 15 marks)

### 3. Production

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

Question Number	Answer	Mark
3(a)(ii)	1 mark for correct answer from one of the following.  Credit either <ul style="list-style-type: none"> <li>• finished products or</li> <li>• waste products</li> </ul>	(1)

Question Number	Answer	Mark
3(a)(iii)	1 mark for each correct answer (2 x 1). Maximum 2 marks.  Accept any valid: <ol style="list-style-type: none"> <li>1. raw material               <ul style="list-style-type: none"> <li>• e.g. metal ore;</li> <li>• sand; pulp...(1)</li> </ul> </li> <li>2. component               <ul style="list-style-type: none"> <li>• e.g. spring;</li> <li>• fuse;</li> <li>• cable ...(1)</li> </ul> </li> </ol>	(2)

Question Number	Answer	Mark
3(a)(iv)	Maximum 3 marks.  No mark for naming input but award 1 mark when change to input identified <ul style="list-style-type: none"> <li>• e.g. labour shortage(1);</li> <li>• labour expensive(1);</li> <li>• depleting raw materials(1)...</li> </ul> 1-2 marks available for explaining how this can lead to relocation <ul style="list-style-type: none"> <li>• e.g. cheaper Asian labour so costs/prices lower and sell more</li> </ul>	(3)

Question Number	Answer	Mark
3(b)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Allocate 2x1 for naming of valid advantage</p> <ul style="list-style-type: none"> <li>e.g. jobs (1)</li> </ul> <p>and valid disadvantage</p> <ul style="list-style-type: none"> <li>e.g. pollution (1)</li> </ul> <p>A 2<sup>nd</sup> mark available in each case for developing into an explicit advantage/disadvantage</p> <ul style="list-style-type: none"> <li>e.g. smells and toxins in air around chemical works affecting resident's health</li> </ul>	(4)

Question Number		
3(c)		
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; lack of security; possibly no pensions; often low salary; long hours...

(Total 15 marks)



#### 4. Development

Question Number	Answer	Mark
4(a)(i)	<p>1 mark for each correct answer. Maximum 2 marks.</p> <p>Award 1 mark per valid locational point</p> <ul style="list-style-type: none"> <li>• e.g. Persian Gulf (1);</li> <li>• north of Tropic ... (1);</li> <li>• Saudi coast ... (1)</li> </ul>	(2)

Question Number	Answer	Mark
4(a)(ii)	<p>Maximum 2 marks for correct definition.</p> <p>Allocate 1 mark to each of GNP definition</p> <ul style="list-style-type: none"> <li>• i.e. output within a country in a year</li> <li>• and population divided into it.</li> </ul> <p>N.B. Stating what GNP stands for is not a definition.</p>	(2)

Question Number	Answer	Mark
4(a)(iii)	<p>1 mark for correct answer.</p> <ul style="list-style-type: none"> <li>• Expect gas or LNG.</li> </ul> <p>Accept oil or oil and gas.</p>	(1)

Question Number	Answer	Mark
4(a)(iv)	<p>Maximum 3 marks.</p> <p>Credit valid stated-only points with 1 mark and developed points with 2 marks</p> <ul style="list-style-type: none"> <li>• e.g. developed/rising wealth (1);</li> <li>• GNP increase ... (1);</li> <li>• infrastructure improvements (1);</li> <li>• in-migration .. (1)</li> </ul>	(3)

Question Number	Answer	Mark
4(a)(v)	<p>Maximum 3 marks.</p> <p>Credit valid stated-only points with 1 mark and developed points with 2 marks</p> <ul style="list-style-type: none"> <li>• e.g. non-renewable (1);</li> <li>• over-reliance danger (1);</li> <li>• clarification of diversification (1) ...</li> </ul>	(3)

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

(Total 15 marks)

## 5. Migration

Question Number	Answer	Mark
5(a)(i)	<p>1 mark for correct answer.</p> <ul style="list-style-type: none"> <li>• 4 per 1000 (accept 0.4%)</li> </ul>	(1)

Question Number	Answer	Mark
5(a)(ii)	<p>1 mark for each correctly placed word in paragraph. Ensure words are in consecutive order below. Maximum 4 marks.</p> <ul style="list-style-type: none"> <li>• greater(1);</li> <li>• A(1);</li> <li>• less(1);</li> <li>• B(1)</li> </ul>	(4)

Question Number	Answer	Mark
5(a)(iii)	<p>Maximum 2 marks.</p> <p>Accept any legitimate pull factor during economic boom</p> <ul style="list-style-type: none"> <li>• e.g. job opportunities ... for 1 mark.</li> </ul> <p>Award 2<sup>nd</sup> mark if factor developed into full reason #</p> <ul style="list-style-type: none"> <li>• e.g. why work is a pull</li> </ul>	(2)

Question Number	Answer	Mark
5(b)	<p>2 marks for each <b>push factor</b>. 2+2 marks - maximum 4 marks.</p> <p>Award initial mark(s) for naming of valid push factor(s)</p> <ul style="list-style-type: none"> <li>• e.g. war (1);</li> <li>• famine (1);</li> <li>• persecution(1) ...</li> </ul> <p>2<sup>nd</sup> mark in each case for explaining</p> <ul style="list-style-type: none"> <li>• i.e. developing factor into reason</li> </ul>	(4)

Question Number	Answer	Mark
5(c)	<p>2 marks for each <b>pull factor</b>. 2+2 marks - maximum 4 marks.</p> <p>Award initial mark(s) for naming valid pull factor(s)</p> <ul style="list-style-type: none"> <li>• e.g. rural peace and quiet (1);</li> <li>• broadband(1);</li> <li>• cheap property(1) ...</li> </ul> <p>2<sup>nd</sup> mark available in each case if factor explained as an explicit reason</p> <ul style="list-style-type: none"> <li>• e.g. transport improvements mean people can now live away from urban jobs where they choose.</li> </ul>	(4)

(Total 15 marks)

## 6. Urban Environments

Question Number	Answer	Mark
6(a)(i)	1 mark for correct answer from one of the following.  Accept either <ul style="list-style-type: none"> <li>• Tokyo</li> <li>• Mexico City</li> </ul>	(1)

Question Number	Answer	Mark
6(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> <li>• The number of Asian cities in these lists grew throughout the period.</li> </ul>	(1)

Question Number	Answer	Mark
6(a)(iii)	Maximum 2 marks.  Reserve 1 mark for increase or equivalent.  2 <sup>nd</sup> mark for detail <ul style="list-style-type: none"> <li>• e.g. more each year(1);</li> <li>• 2 in 1970 &gt; 5 by 2025(1)</li> </ul>	(2)

Question Number	Answer	Mark
6(a)(iv)	Maximum 3 marks (3 x 1).  Adopt 3 x 1 point marking as follows: <ul style="list-style-type: none"> <li>• reserve 1 mark for increase or equivalent(1);</li> <li>• at least twice as large (1);</li> <li>• 6 cities 20 million plus by 2025, none in 1970 (1) ...</li> </ul>	(3)

Question Number	Answer	Mark
6(b)(i)	<p>2 marks for each correct reason. 2+2 marks - maximum 4 marks.</p> <p>Award 1 mark for relevant factor</p> <ul style="list-style-type: none"> <li>• e.g. in-migration (1);</li> <li>• falling death rate (1);</li> <li>• industrialisation (1) ... though expect some distinctiveness.</li> </ul> <p>Award 2<sup>nd</sup> mark in each case if developed into full explanatory reason.</p>	(4)

Question Number	Answer	Mark
6(b)(ii)	<p>2 marks for each correct problem. 2+2 marks - maximum 4 marks.</p> <p>Award 1 mark for naming valid problem</p> <ul style="list-style-type: none"> <li>• e.g. shanty towns (1);</li> <li>• traffic congestion (1);</li> <li>• overstretched services (1) ... though expect distinctiveness and avoid double-credit re (b)(i).</li> </ul> <p>Award 2<sup>nd</sup> mark if problem described.</p>	(4)

(Total 15 marks)

## Section B

### 7. Fragile Environments

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

Question Number	Answer	Mark
7(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"><li>• Oceania lost less forest than Africa</li></ul>	(1)

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

Question Number	Answer	Mark
7(a)(iv)	1 mark for correct answer.  Credit one piece of valid, explicit and accurate evidence <ul style="list-style-type: none"><li>• i.e. world lost 73 000 square kms. (1)</li></ul>	(1)

Question Number	Answer	Mark
7(b)	<p>3 marks available for each part. 3 + 3 marks - maximum 6 marks.</p> <p>1. allocate 1 mark to each of following three stages in process</p> <ul style="list-style-type: none"> <li>• i.e. less interception ..(1);</li> <li>• less infiltration ...(1);</li> <li>• more run-off (1)</li> </ul> <p>2. 3 x 1 marks if three valid and distinctive problems stated</p> <ul style="list-style-type: none"> <li>• e.g. habitat destruction ..(1);</li> <li>• species loss ..(1);</li> <li>• less CO2 absorption (1) ...</li> </ul> <p>or 2 marks available for a developed problem</p> <ul style="list-style-type: none"> <li>• e.g. loss of biodiversity ...</li> </ul> <p>A linked problem response worthy of max marks.</p>	(6)

Question Number	Answer	Mark
7(c)	<p>2 marks for each correct way. 2 + 2 marks - maximum 4 marks.</p> <p>Allocate 2 marks to each sustainable approach referred to with 1<sup>st</sup> mark for naming e.g. agroforestry (1); quotas(1); selective felling(1) ..</p> <p>and 2<sup>nd</sup> mark for either description or direct application to sustainability concept i.e. how sustainability ensured. Understanding of sustainability will need to be at least implicit.</p> <p>N.B. Ensure 1<sup>st</sup> marks are for sustainable approaches.</p>	(4)



Question Number	Answer	Mark
7(d)	<p>Maximum 6 marks.</p> <p>Award 1 mark up to max of 4 for mere listing of factors</p> <ul style="list-style-type: none"> <li>• e.g. lumbering (1);</li> <li>• ranching (1);</li> <li>• road-building (1) ...</li> </ul> <p>Each developed factor (i.e. full reason) worthy of 2 marks but reserve max mark (6 marks) for scripts offering example(s) to support reason(s) e.g. Amazonian ranching.</p>	(6)

(Total 20 marks)

## 8. Globalisation

Question Number	Answer	Mark
8(a)(i)	1 mark for correct answer.  <ul style="list-style-type: none"> <li>• South Korea</li> </ul>	(1)

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

Question Number	Answer	Mark
8(a)(iii)	1 mark for each correct answer (3 x 1). Maximum 3 marks.  Allocate 1 mark to each valid and distinctive characteristic <ul style="list-style-type: none"> <li>• e.g. large global firm (1);</li> <li>• in many countries firm(1);</li> <li>• links across borders(1)</li> </ul>	(3)

Question Number	Answer	Mark
8(a)(iv)	Maximum 5 marks - 3 + 2 marks or 2+ 3 marks.  Award up to 2-3 marks for each of why:  Asian factories <ul style="list-style-type: none"> <li>• cheap but skilled labour (1);</li> <li>• costs kept down but quality fine (1) ... 2-3 marks available</li> </ul> Offices everywhere <ul style="list-style-type: none"> <li>• markets/customers (1);</li> <li>• organising sales and distribution (1) ... 2-3 marks available</li> </ul> 1 mark for relevant factor with 2 marks if developed into full reason.	(5)

Question Number	Answer	Mark
8(b)	<p>2 + 2 marks - maximum 4 marks.</p> <p>Award up to 2 marks for each of the advantage and the disadvantage.</p> <p>Stating a valid one worthy of initial mark</p> <ul style="list-style-type: none"> <li>• e.g. jobs (1);</li> <li>• dependent on foreign decisions (1) ...</li> </ul> <p>2<sup>nd</sup> mark in each case for explanation of its advantage/disadvantage to host LEDC.</p>	(4)

Question Number		
8(c)		
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 references to how factors link up and make world more interdependent. Look for explanation and a clear appreciation of the meaning of modern global economy.

(Total 20 marks)

## 9. Human Welfare

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

Question Number	Answer	Mark
9(a)(ii)	1 mark for correct answer.  <ul style="list-style-type: none"> <li>55.8 years</li> </ul>	(1)

Question Number	Answer	Mark
9(a)(iii)	1 mark for correct answer for one of the following.  Accept either <ul style="list-style-type: none"> <li>Mozambique (1),</li> <li>South Africa (1)</li> <li>or Swaziland (1).</li> </ul>	(1)

Question Number	Answer	Mark
9(a)(iv)	2 marks for correct definition. Maximum 2 marks.  Full definition <ul style="list-style-type: none"> <li>e.g. predicted age of death at birth ... = max marks.</li> </ul> Less full definition <ul style="list-style-type: none"> <li>e.g. how long can expect to live = 1 mark.</li> </ul>	(2)

Question Number	Answer	Mark
9(a)(v)	1 mark for each correct factor. 3 x1 = maximum 3 marks.  Credit any three valid and distinctive factors <ul style="list-style-type: none"> <li>e.g. food supply (1);</li> <li>clean water supply (1);</li> <li>disease incidence (1);</li> <li>medical facilities (1).</li> </ul>	(3)

Question Number	Answer	Mark
9(a)(vi)	<p>Maximum 2 marks.</p> <p>No mark for naming but factor to be clear.</p> <p>For full marks expect clear statement linked to raising or lowering life expectancy</p> <ul style="list-style-type: none"> <li>e.g. clean water supply reduces chances of water-borne disease (1)</li> <li>e.g. cholera (1) so prevents early death (1) ..</li> </ul>	(2)

Question Number	Answer	Mark
9(b)(i)	<p>1 mark for each correct answer. 2 x 1 marks - maximum 2 marks.</p> <p>Award 1 mark for each valid and distinctive indicator named</p> <ul style="list-style-type: none"> <li>e.g. HDI (1);</li> <li>literacy rate (1) ...</li> </ul>	(2)

Question Number	Answer	Mark
9(b)(ii)	<p>Maximum 2 marks.</p> <p>Valid suggestion as to its effectiveness (i.e. good indicator)</p> <ul style="list-style-type: none"> <li>e.g. literacy rate: deprived if not able to read and write</li> </ul>	(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 schemes
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 peoples' lives

(Total 20 marks)

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