

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"> • Thames 	(1)

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

Question Number	Answer	Mark
1(a)(iii)	1 mark for correct answer. <ul style="list-style-type: none"> • Discharge 	(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"> • rock type(1); river engineering(1); vegetation cover(1)... Award 2 nd 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"> • e.g. annual flow pattern .. Award 2 nd mark for detail/specificity <ul style="list-style-type: none"> • e.g. average/normal; month by month 	(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"> • Laputta • Dedaye 	(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"> • Credit up to any three distinctive and valid factors e.g. onshore cyclone (1); • lowlying land (1); • storm waves (1); • no coastline protection (1) 	(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"> • i.e. death toll (1); • property destruction (1) ... <p>Full marks calls for application of evidence to term, major</p> <ul style="list-style-type: none"> • i.e. long-term(1); • difficult to recover from (1) 	(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"> • flooding of roads (1); • sea route and affected areas juxtaposed (1); • speed of air aid from MEDCs (1). 	(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"> • e.g. food/blankets (1); • tents/accommodation (1); • fresh water (1) ... 	(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"> • Secondary 	(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"> • finished products or • waste products 	(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"> 1. raw material <ul style="list-style-type: none"> • e.g. metal ore; • sand; pulp...(1) 2. component <ul style="list-style-type: none"> • e.g. spring; • fuse; • cable ...(1) 	(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"> • e.g. labour shortage(1); • labour expensive(1); • depleting raw materials(1)... 1-2 marks available for explaining how this can lead to relocation <ul style="list-style-type: none"> • e.g. cheaper Asian labour so costs/prices lower and sell more 	(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"> e.g. jobs (1) <p>and valid disadvantage</p> <ul style="list-style-type: none"> e.g. pollution (1) <p>A 2nd mark available in each case for developing into an explicit advantage/disadvantage</p> <ul style="list-style-type: none"> e.g. smells and toxins in air around chemical works affecting resident's health 	(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"> • e.g. Persian Gulf (1); • north of Tropic ... (1); • Saudi coast ... (1) 	(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"> • i.e. output within a country in a year • and population divided into it. <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"> • Expect gas or LNG. <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"> • e.g. developed/rising wealth (1); • GNP increase ... (1); • infrastructure improvements (1); • in-migration .. (1) 	(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"> • e.g. non-renewable (1); • over-reliance danger (1); • clarification of diversification (1) ... 	(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)	1 mark for correct answer. <ul style="list-style-type: none"> • 4 per 1000 (accept 0.4%) 	(1)

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

Question Number	Answer	Mark
5(a)(iii)	Maximum 2 marks. Accept any legitimate pull factor during economic boom <ul style="list-style-type: none"> • e.g. job opportunities ... for 1 mark. Award 2 nd mark if factor developed into full reason # <ul style="list-style-type: none"> • e.g. why work is a pull 	(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 push factor(s) <ul style="list-style-type: none"> • e.g. war (1); • famine (1); • persecution(1) ... 2 nd mark in each case for explaining <ul style="list-style-type: none"> • i.e. developing factor into reason 	(4)

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

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

Question Number	Answer	Mark
6(a)(iii)	Maximum 2 marks. Reserve 1 mark for increase or equivalent. 2 nd mark for detail <ul style="list-style-type: none"> • e.g. more each year(1); • 2 in 1970 > 5 by 2025(1) 	(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"> • reserve 1 mark for increase or equivalent(1); • at least twice as large (1); • 6 cities 20 million plus by 2025, none in 1970 (1) ... 	(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"> • e.g. in-migration (1); • falling death rate (1); • industrialisation (1) ... though expect some distinctiveness. <p>Award 2nd 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"> • e.g. shanty towns (1); • traffic congestion (1); • overstretched services (1) ... though expect distinctiveness and avoid double-credit re (b)(i). <p>Award 2nd 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">• South America	(1)

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

Question Number	Answer	Mark
7(a)(iii)	1 mark for correct answer. <ul style="list-style-type: none">• Deforestation	(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">• i.e. world lost 73 000 square kms. (1)	(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"> • i.e. less interception ..(1); • less infiltration ...(1); • more run-off (1) <p>2. 3 x 1 marks if three valid and distinctive problems stated</p> <ul style="list-style-type: none"> • e.g. habitat destruction ..(1); • species loss ..(1); • less CO2 absorption (1) ... <p>or 2 marks available for a developed problem</p> <ul style="list-style-type: none"> • e.g. loss of biodiversity ... <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 1st mark for naming e.g. agroforestry (1); quotas(1); selective felling(1) ..</p> <p>and 2nd 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 1st 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"> • e.g. lumbering (1); • ranching (1); • road-building (1) ... <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"> • South Korea 	(1)

Question Number	Answer	Mark
8(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> • Europe 	(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"> • e.g. large global firm (1); • in many countries firm(1); • links across borders(1) 	(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"> • cheap but skilled labour (1); • costs kept down but quality fine (1) ... 2-3 marks available Offices everywhere <ul style="list-style-type: none"> • markets/customers (1); • organising sales and distribution (1) ... 2-3 marks available 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"> • e.g. jobs (1); • dependent on foreign decisions (1) ... <p>2nd 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"> Swaziland 	(1)

Question Number	Answer	Mark
9(a)(ii)	1 mark for correct answer. <ul style="list-style-type: none"> 55.8 years 	(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"> Mozambique (1), South Africa (1) or Swaziland (1). 	(1)

Question Number	Answer	Mark
9(a)(iv)	2 marks for correct definition. Maximum 2 marks. Full definition <ul style="list-style-type: none"> e.g. predicted age of death at birth ... = max marks. Less full definition <ul style="list-style-type: none"> e.g. how long can expect to live = 1 mark. 	(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"> e.g. food supply (1); clean water supply (1); disease incidence (1); medical facilities (1). 	(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"> e.g. clean water supply reduces chances of water-borne disease (1) e.g. cholera (1) so prevents early death (1) .. 	(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"> e.g. HDI (1); literacy rate (1) ... 	(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"> e.g. literacy rate: deprived if not able to read and write 	(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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