

Mark Scheme (Results)

Summer 2010

IGCSE

IGCSE Geography (4370) Paper 1F

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Publications Code

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

1. Water

Question Number	Answer	Mark
1(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> Accept 100-150 km. 	(1)

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

Question Number	Answer	Mark
1(a)(iii)	Maximum 2 marks for correct definition. Award 1 mark for brief/partial definition <ul style="list-style-type: none"> e.g. catchment area (1). Full marks requires textbook-style definition <ul style="list-style-type: none"> e.g. area around river that it drains and supplies water for... 	(2)

Question Number	Answer	Mark
1(a)(iv)	2 x 1 marks. Maximum 2 marks. Award 1 mark for each valid characteristic <ul style="list-style-type: none"> e.g. meandering (1); N-S flow(1); migrating or equivalent(1) 	(2)

Question Number	Answer	Mark
1(a)(v)	1 mark for each correct answer. Maximum 2 marks. Award 1 mark for data extraction from Fig. 1 <ul style="list-style-type: none"> e.g. \$5bn. damage 2 nd mark must be evaluative and respond to "serious" <ul style="list-style-type: none"> e.g. 3 million hectares of flooded land is a lot ! 	(2)

Question Number	Answer	Mark
1(b)	<p>3 x 1 marks. Maximum 3 marks.</p> <p>Credit any valid way up to max. of 3</p> <ul style="list-style-type: none"> • e.g. embankments (1); • channelisation (1); • wing dykes (1); • dammed(1) .. 	(3)

Question Number		
1(c)		
Level	Mark	Descriptor
Level 1	1-2	expect basic points e.g. rain; silting; high run-off .. Lists of factors only.
Level 2	3-4	expect some development of factors. For max. marks expect at least two relevant factors, perhaps physical (e.g. heavy rainfall ..) and human (e.g. high urban run-off ..) developed into full reasons.

(Total 15 marks)

2. Hazards

Question Number	Answer	Mark
2(a)(i)	<p>1 mark for correct answer - maximum 4 marks.</p> <ul style="list-style-type: none"> • A - Heavy rain • C - melting of ice • D - landslides • E - river floods 	(4)

Question Number	Answer	Mark
2(a)(ii)	<p>2 x 1 marks - maximum 2 marks..</p> <p>Credit up to any two valid materials</p> <ul style="list-style-type: none"> • e.g. gas (1); • lava (1); • rock (1) 	(2)

Question Number	Answer	Mark
2(a)(iii)	<p>Maximum 3 marks.</p> <p>Award max marks for either three stated problems</p> <ul style="list-style-type: none"> • e.g. building destruction (1); • death by (1); • long-term economic dislocation... (1) <p>Or for two identified problems with some description.</p> <p>For maximum marks, ensure problems match choice.</p>	(3)

Question Number	Answer	Mark
2(a)(iv)	<p>Maximum 2 marks.</p> <p>Award 1 mark for advantage identification</p> <ul style="list-style-type: none"> • e.g. tourist income (1); • fertile soils (1) <p>with 2nd mark for clarifying sense of advantage</p> <ul style="list-style-type: none"> • e.g. income generates local jobs ... 	(2)

Question Number		
2(b)		
Level	Mark	Descriptor
Level 1	1-2	Expect simple references to plate margins and magma release. Briefly labelled but apt diagram may be offered.
Level 2	3-4	Expect some process e.g. destructive plate margin with subduction and pressure release. Annotated, appropriate diagram may be offered.

(Total 15 marks)

3. Production

Question Number	Answer	Mark
3(a)(i)	<p>1 mark for each correct answer. Maximum 3 marks.</p> <ul style="list-style-type: none"> • 1 - Accept either Swindon or Derby or Bridgend or Sunderland (1) • 2 - Accept either Oxford or Luton or Birmingham or Liverpool (1) • 3 - Accept either Glasgow or Bathgate or Leyland or Liverpool or Coventry or Birmingham (1) 	(3)

Question Number	Answer	Mark
3(a)(ii)	<p>2 + 2 marks. Maximum 4 marks.</p> <p>Mark each reason out of 2 with 1 mark for relevant factor named:</p> <ul style="list-style-type: none"> • e.g. 1. industrial inertia; near large markets; high relocation costs ... • 2. government policy; available labour supply; large, cheap building sites .. <p>2nd mark in each case, for factor developed into full reason.</p>	(4)

Question Number	Answer	Mark
3(b)(i)	<p>Maximum 2 marks for full and accurate definition.</p> <p>Award max mark for full and accurate definition, addressing both hi-tech and manufacturing</p> <ul style="list-style-type: none"> • e.g. making goods using micro-electronics and R&D ...) <p>For partial definitions or statements along right lines</p> <ul style="list-style-type: none"> • e.g. computer-based award 1 mark. 	(2)

Question Number	Answer	Mark
3(b)(ii)	<p>Maximum 2 marks.</p> <p>No mark for naming e.g. pharmaceuticals ..</p> <p>2x1 marking strategy with 1 mark for identification</p> <ul style="list-style-type: none"> e.g. robotics in car plants (1); scientists in pharmaceuticals(1).. <p>2nd mark for description/development.</p>	(2)

Question Number		
3(c)		
Level	Mark	Descriptor
Level 1	1-2	Expect either lists of relevant factors (e.g. wealthier; more industry ...) or one such factor developed into full reason.
Level 2	3-4	Expect at least two factors developed into full reasons. Long list acceptable for L2-/3 marks.

(Total 15 marks)

4. Development

Question Number	Answer	Mark
4(a)(i)	<p>1 mark for correct answer.</p> <p>Credit any valid observation</p> <ul style="list-style-type: none"> • e.g. water (1); • sheltered (1) • anchorages(1); • quays(1) 	(1)

Question Number	Answer	Mark
4(a)(ii)	<p>3 x 1 marks. Maximum 3 marks.</p> <p>Look to point mark</p> <ul style="list-style-type: none"> • e.g. new buildings(1); • landscaping(1); • high-rise apartments (1); • hotel(1); • modern sports arena(1) 	(3)

Question Number	Answer	Mark
4(a)(iii)	<p>Maximum 3 marks.</p> <p>Expect either 3x1 point marking</p> <ul style="list-style-type: none"> • e.g. polluted water(1); • rundown(1); • abandoned warehouses(1) <p>Or 2 marks for each developed point</p> <ul style="list-style-type: none"> • e.g. abandoned warehouses once housing imported goods/materials. 	(3)

Question Number	Answer	Mark
4(b)	<p>Maximum 4 marks.</p> <p>Max can be for four relevant factors stated (4x1)</p> <ul style="list-style-type: none"> • e.g. depopulation(1); • resource exhaustion(1); • loss of markets(1) <p>Or for at least two developed factors (2x2).</p>	(4)

Question Number		
4(c)		
Level	Mark	Descriptor
Level 1	1-2	Expect development indicators listed (e.g. unemployment rate ..) or one indicator referenced to named country e.g. GDP higher in N. Italy than S. Italy.
Level 2	3-4	Expect explicit reference to more than one disparity in named country e.g. Italian north-south divide; Italian unemployment highest in S...

(Total 15 marks)

5. Migration

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

Question Number	Answer	Mark
5(a)(ii)	3 x 1 marks. Maximum 3 marks. Credit any valid example in each instance e.g. 1. poor harvest(1); no medical facilities(1) .. 2. job prospects(1); family already there(1).. N.B. accept correct opposites. 3. fatigue(1); lack of money(1)..	(3)

Question Number	Answer	Mark
5(a)(iii)	Maximum 3 marks. Reserve 1 mark for each of following aspects of process <ul style="list-style-type: none"> i.e. disadvantages & pushing out from village (1); advantages & pulling into city (1); the disadvantages outweighing advantages idea (1). Ensure each aspect offered for maximum marks.	(3)

Question Number	Answer	Mark
5(a)(iv)	2 + 2 marks. Maximum 4 marks. Mark each area out of 2 with max in each case for either two stated consequences or one described consequence <ul style="list-style-type: none"> e.g. 1. rural depopulation(1); ageing population(1) ... 2. population pressures(1); industrialisation(1)... 	(4)

Question Number		
5(b)		
Level	Mark	Descriptor
Level 1	1-2	Expect short list of policies/actions (e.g. shanty demolition(1); shanty self-help schemes(1); rural development programmes(1) .. or one such action described/developed
Level 2	3-4	Expect either long list of policies/actions (with max of L2-/3 marks) or two or more developed actions. For max ensure that management concept clarified. Reference to named actions in named locations could be indicative of max.

(Total 15 marks)

6. Urban Environments

Question Number	Answer	Mark
6(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • Accept either 4H or H4(1) 	(1)

Question Number	Answer	Mark
6(a)(ii)	Maximum 2 marks. <ul style="list-style-type: none"> • D2: rural-urban fringe; • F3: suburbs; • D5: inner city. <p>2-3 correct = 2 marks. 1 correct = 1 mark.</p>	(2)

Question Number	Answer	Mark
6(b)(i)	2 x 1 marks. Maximum 2 marks. Expect row to be complete and accurate for 1 mark e.g. <ul style="list-style-type: none"> • 1965 - B5 - Factory > 2005 - B5 - Flats (1) • 1965 - C2 - Open space > 2005 - C2 - Asda (1) 	(2)

Question Number	Answer	Mark
6(b)(ii)	2 + 2 marks. Maximum 4 marks. 2 marks available per square. Max. Can be for 2 valid factors (2x1) stated or one factor developed into full reason e.g. B5: <ul style="list-style-type: none"> • de-industrialisation(1) • >inner city redevelopment (1); • living close to CBD ... (1) C2: <ul style="list-style-type: none"> • road access(1); • large area for car parking(1)... 	(4)

Question Number	Answer	Mark
6(b)(iii)	<p>Maximum 2 marks.</p> <p>Award 1 mark for basic valid point that RUF has moved outwards(1).</p> <p>2nd mark available for description</p> <ul style="list-style-type: none"> • e.g. building on greenland(1); • grid squares identified(1); • RUF defined(1) ... 	(2)

Question Number		
6(c)		
Level	Mark	Descriptor
Level 1	1-2	Expect either valid viewpoint or valid group of objectors stated e.g. environmentalists (1); building on greenfield sites (1) .. Basic clarification of issue sufficient.
Level 2	3-4	Expect justification for viewpoint (e.g. ruining views; traffic congestion; wildlife habitats lost ...). Examples of conflicting groups (e.g. eco-warriors v. building companies) may be offered.

(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"> Deforestation (1) 	(1)

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

Question Number	Answer	Mark
7(b)(i)	Maximum 2 marks for accurate and full definition. Credit full and accurate definition addressing both "bio" and "diversity" with 2 marks. Award 1 mark for valid but partial meaning <ul style="list-style-type: none"> e.g. rich wildlife (1) 	(2)

Question Number		
7(b)(ii)		
Level	Mark	Descriptor
Level 1	1-2	Expect illustrations of TRF biodiversity e.g. wide variety of plants and animals; examples of species and richness
Level 2	3-4	Expect concept of productivity and factors causing it (e.g. hot and wet...)

Question Number	Answer	Mark
7(c)(i)	Maximum 3 marks. Adopt 3x1 point marking <ul style="list-style-type: none"> e.g. hunter-gatherers(1); shifting cultivators(1) ..) with 2 marks awarded if point developed <ul style="list-style-type: none"> e.g. hunter-gatherer with medicines from plants, bark... 	(3)

Question Number	Answer	Mark
7(c)(ii)	<p>Maximum 3 marks.</p> <p>Max marks available if lungs-of-planet argument developed</p> <ul style="list-style-type: none"> e.g. carbon dioxide & global warming(1); trees absorb carbon dioxide (1) <p>Max of 1 mark for deforestation by burning creates carbon dioxide.</p>	(4)

Question Number		
7(d)		
Level	Mark	Descriptor
Level 1	1-2	Expect listing of activities associated with deforestation (e.g. logging; ranching; road building ...)
Level 2	3-4	Expect either examples or some explanation of a limited number of offending activities.
Level 3	5-6	Expect a range of offending activities described and explained in the context of named places so that reasons explicit.

(Total 20 marks)

8. Globalisation

Question Number	Answer	Mark
8(a)(i)	1 mark for correct answer. <ul style="list-style-type: none"> • Credit any valid definition e.g. goods sold abroad (1) 	(1)

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

Question Number	Answer	Mark
8(a)(iii)	1 mark for correct answer. <ul style="list-style-type: none"> • Machinery and equipment (1) 	(1)

Question Number	Answer	Mark
8(a)(iv)	1 mark for correct answer. <ul style="list-style-type: none"> • Accept secondary or manufacturing (1) 	(1)

Question Number	Answer	Mark
8(a)(v)	1 + 3 marks. Maximum 4 marks. 1. 1 mark available. <ul style="list-style-type: none"> • Credit S. Korea, • Thailand, • Vietnam • or Indonesia (1). 2. Adopt 3x1 point marking <ul style="list-style-type: none"> • i.e. rising Chinese wage rates(1); • lower wage rates in other S E Asian countries(1); • business implications (e.g. more profit; lower prices ...)(1) 	(4)

Question Number	Answer	Mark
8(b)(i)	<p>Maximum 2 marks for full and accurate definition.</p> <p>Credit full and accurate definition</p> <ul style="list-style-type: none"> e.g. the rise of NICs as the world's main source of goods ... <p>Allow 1 mark for partial but valid definition.</p>	(2)

Question Number	Answer	Mark
8(b)(ii)	<p>Maximum 4 marks.</p> <p>Max can be either 4 x 1 for four valid stated factors</p> <ul style="list-style-type: none"> e.g. cheap labour(1); lax health & safety regulations(1) ... <p>Or two such factors(2x2) developed into full reasons</p>	(4)

Question Number	Answer	Mark
8(c)	<p>Maximum 6 marks.</p> <p>Award up to 4 marks for identification of benefits/costs (4x1 with max of 3 for one side only). Reserve further 2 marks for description.</p> <p>Expect benefits identified : jobs; investment; technology transfer .. with description into ideas of multiplier effects, foreign earnings .. possible.</p> <p>Costs given might include pollution; exploitation; diversion of resources ...</p>	(6)

(Total 20 marks)

9. Human Welfare

Question Number	Answer	Mark
9(a)(i)	1 mark for each correct answer. Maximum 2 marks. <ul style="list-style-type: none"> 1. lowered or equivalent (1) 2. slowed rate of growth or equivalent(1) 	(2)

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

Question Number	Answer	Mark
9(a)(iii)	2 x 2 marks. Maximum 4 marks. Award initial marks for naming up to 2 valid factors (2x1) <ul style="list-style-type: none"> e.g. government policy(1); rising living standards(1); longer female education(1)... 2 nd mark available in each case for development into full reason. N.B. one-child policy = 1 reason only!	(4)

Question Number		
9(a)(iv)		
Level	Mark	Descriptor
Level 1	1-2	Expect basic point about fewer pressures on resources if population not growing rapidly (e.g. fewer babies to feed ..). Response focussed on issues of overpopulation.
Level 2	3-4	Expect positive argument about extra factors of production; more food per person; more female workers...

Question Number	Answer	Mark
9(b)	3 x 1 marks. Maximum 3 marks. Award 1 mark per valid component <ul style="list-style-type: none"> e.g. life expectancy(1); literacy rate(1) ... Allow up to one economic indicator only(e.g. GDP). Expect social and environmental indicators.	(3)

Question Number		
9(c)		
Level	Mark	Descriptor
Level 1	1-2	Expect basic outline of tasks undertaken by aid agencies either generically or related to one specific named agency (e.g. distribute food; give tents ...)
Level 2	3-4	Expect named agency and some description of their work, perhaps in a disaster situation
Level 3	5-6	Expect reference, albeit implicit to role of agency in raising quality of life in LEDCs e.g. rural clean water projects raising life expectancy so narrowing North-South development gap.

(Total 20 marks)

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