

GEOGRAPHY 4370, NOVEMBER 2005, MARK SCHEME

PAPER 1F

1. (a) (i) 2 x 1 marks for accurate plotting & labelling 2
(ii) Afghanistan 1
(iii) 6 1
(iv) 2 x 1 marks for any 2 valid reasons e.g. little water treatment; waste disposal uncontrolled 2
- (b) (i) 2 x 1 marks - expect a little more than stating for 1 mark e.g. irrigating farmland 2
(ii) 3 marks - suggest look for: 3
- Up to 3 reasons e.g. more industry needing water (1 mark)
 - 2 reasons with 1 exemplified/developed (2 marks)
 - linked account based on higher living standards
- (c) For maximum marks expect: 4
Collection (1 -2 marks) e.g. reservoir...
Pipelines (1-2 marks)
Treatment works (1-2 marks)
Examples (e.g. country) as alternative to description of one or more of 3 stages in safe supply

Total 15 marks

2. (a) (i) Hurricanes 1
(ii) either a valid region e.g. Indian Ocean or affected country e.g. Bangladesh 1
(iii) Allocate either 1 + 2 or 2 + 1 to source and path e.g. West African coast for source (1 mark); westerly track (1 mark) across Atlantic (1 mark) 3
No marks to naming of area.
- (b) (i) 1 + 1 e.g. strong winds; heavy rain... 2
Accept wind and rain (2 marks)
- (ii) Suggest reserve 1 mark for clarifying hazardous (i.e. danger/damage), 1 mark for point about less extreme weather inland, and 2 marks to process (e.g. oceanic heat source) 4
- (c) Expect for: 4
L1 = basic response referring to lower impact in MEDCS (1-2 marks)
L2 = some reasoning behind scale of impact e.g. prediction; precautions (3-4 marks)

Total 15 marks

- | | | | | |
|----|-----|-------|---|---|
| 3. | (a) | (i) | accept manufacturing; oil/gas... | 1 |
| | | (ii) | accept rubber/palm oil/timber/tin... | 1 |
| | | (iii) | non-renewable | 1 |
| | | (iv) | 1. primary | 2 |
| | | | 2. secondary | |
| | (b) | (i) | 2 x 1 marks - any two valid factors: physical (e.g. climate) | 2 |
| | | (ii) | 1 mark for development name e.g. irrigation scheme, 2 marks for explanation | 3 |
| | (c) | (i) | Valid type of manufacturing e.g. cars; electronics... | 1 |
| | | (ii) | 2 x 2 marks - 1 mark for each valid factor stated e.g. labour costs, 2 nd mark for explanation | 4 |

Total 15 marks

- | | | | | |
|----|-----|-------|--|---|
| 4. | (a) | (i) | MEDCs | 1 |
| | | (ii) | Expect 1+3 marking though 1 mark transferable in special circumstances. | 4 |
| | | | 1. 300,000 sq.km | |
| | | | 2. Location = 'central'; London-Milan; country names... | |
| | | | All valid and creditable points. | |
| | | (iii) | Expect peripheral idea (1 mark) | 1 |
| | | (iv) | 3x1 marks - Accept any valid indicator in each case e.g.
Economic - GDP p.p. drop
Population - emigration/out-migration
Social - unemployment | 3 |
| | (b) | | 2 x 1 marks - Any two valid reasons e.g. government aid | 2 |
| | (c) | | N.B. Growth poles located on Figure 4 | 4 |
| | | | L1 = expect broad concept of government intervention via spending policies (1-2 marks) | |
| | | | L2 = expect specific areas of spending stated e.g. road building; public projects with some development at top of band (3-4 marks) | |

Total 15 marks

5.	(a)	(i)	4	1
		(ii)	The Northeast or The Midwest	1
		(iii)	The South	1
		(iv)	1 + 1 - Accept sunbelt and counterurbanisation ideas	2
	(b)		Allocate 1 mark to push and 1 mark to pull	2
	(c)	(i)	Credit accurate definition	2
			Maximum marks for stating a push and pull factor (2x1) in context of urban push and rural pull (1 mark)	
		(ii)	Reason e.g. rural quiet	2
	(d)		2 + 2 marks. Allocate 1 mark to naming of each cause (e.g. wars)	4
			2 nd mark in each case to description (or explanation)	
			Total 15 marks	
6.	(a)	(i)	2 x 1 marks - Credit any 2 valid points e.g. sloping ground; high altitude; all to NW	2
		(ii)	Allocate 1 mark to:	3
			<ul style="list-style-type: none"> • Figure 6 data i.e. newest are shanties, earliest are not • Idea of building improvement (but still squat on land) • Closeness to CBD 	
		(iii)	Expect reasons of age and distance to city (2 x 1 marks) (2) with explanation(s).	2
	(b)	(i)	2 x 1 marks - Credit any two valid features e.g. high-rise buildings, shops & offices...	1
		(ii)	2 x 1 marks - Suggest:	3
			<ul style="list-style-type: none"> • high-cost housing • new housing (i.e. bungalows) • government employees • rich business people 	
			Any 2 for maximum marks	
	(c)		L1 = Lists "lifts" e.g. rapidly expanding; squatter settlements (1-2 marks)	4
			L2 = Expect some working of data e.g. 90km across... or explicit understanding of what a mega-city is (3-4 marks)	
			Total 15 marks	

7.	(a)	(i)	12%	1
		(ii)	Non-agricultural uses	1
		(iii)	1 mark = broad idea e.g. dry/desert-like...	2
			2 marks = deeper concept e.g. little use/plant growth limited	
	(b)	(i)	1 mark = desertified (linking to (a) (iii))	2
			2 marks = expect details e.g. eroded ravines; bare soil...	
		(ii)	L1 = expect farming (1 mark)	4
			L2 = expect crops and grazing, or one developed (e.g. overgrazing; ploughing) (2-3 marks)	
			L3 = expect both developed (4 marks)	
		(iii)	Reserve 1 mark for definition of subsistence farming; 2 marks for food shortage and pressure to work land or roam	4
	(c)		L1 = expect consequences listed or one consequence only (e.g. migration; famine ...), perhaps a really non-specific (1-2 marks)	6
			L2 = expect place-specificity and some development of perhaps one consequence (3-4 marks)	
			L3 = expect at least 2 consequences explained in a spatial context (5-6 marks)	
			Total 20 marks	
8.	(a)	(i)	Expect 2 of: fertile soil; warm all year; reliable water supply	2
		(ii)	3x2 marks - for each, basic idea = 1 mark; 2 nd mark for development e.g. 2: afford to pay (1 mark); fresh, high quality vegetables (1 mark)	6
			Credit any valid danger e.g. competition from other suppliers; low prices	
		(iii)	Basic idea = 1 mark, development = 2 marks	2
	(b)	(i)	2x1 marks - Credit any two valid reasons e.g. modern transport; adventure	2
		(ii)	Expect economic response e.g. "export earnings" (1 mark); jobs; resources for development...	2
		(iii)	L1 = expect example (e.g. ecotourism) and basic descriptive points (1-2 marks)	6
			L2 = expect concept of sustainability understood and some development (3-4 marks)	
			L3 = expect case study (5-6 marks)	
			Total 20 marks	
9.	(a)	(i)	3 x 1 marks - Any 3 valid statements from Figure 9 e.g. lack access to safe water...	3
		(ii)	1 mark - a level below which...	2
			1 mark - illustration of concept or terms like absolute	

- poverty, basic needs not met
- (iii) Suggest 1 mark for: 3
- 4 m illiterate and 10 m unemployed
 - defining illiteracy
- link between illiteracy and unemployment (e.g. work requires ability to...)
- (iv) 3x2 marks - For each, award 1 mark for clarifying (e.g. 3 = falling output) and 2nd mark for reason (e.g. smaller workforce) 6
- (b) L1 = expect clarification of what aid is e.g. loans (1-2 marks) 6
- L2 = expect details about aid e.g. its role or organisations/agencies... (3-4 marks)
- L3 = expect reference to either appropriate aid (e.g. IT; technical assistance..) or to alternative strategies e.g. trade (5-6 marks)

Total 20 marks

PAPER 2H

1. (a) (i) clean; safe to drink (1 mark) 2
regular supplies of... e.g. piped clean water (2 marks)
- (ii) Any 2 valid reasons e.g. little water treatment; waste disposal uncontrolled (2 x 1 marks) 2
- (b) (ii) Suggest look for up to 3 reasons e.g. better human hygiene (1mark) with 2nd mark for example (e.g. daily rather than weekly bathing) 6
- (c) For maximum marks expect: 4
Collection (1-2 marks) e.g. reservoir
Pipelines (1-2 marks)
Treatment works (1-2 marks)
Examples (e.g. country) as alternative to description of one or more of 3 stages in safe supply
- (d) L1 = expect implicit understanding of river regime and stating of factor affecting it e.g. dam (1-2 marks) 6
L2 = expect explicit understanding of regimes and either water supply management developed or other factors stated (3-4 marks)
L3 = expect more than one factor (e.g. dam; precipitation) used to explain regime pattern. Diagram or named river may be offered (5-6 marks)

Total 20 marks

2.	(a)	(i)	either a valid region e.g. Indian Ocean or affected country e.g. Bangladesh	1
		(ii)	Allocate either 1 + 2 or 2 + 1 to source and path e.g. West African coast for source (1 mark); westerly track (1 mark) across Atlantic (1 mark) No marks to naming of area.	3
	(b)	(i)	Accept wind and rain (2 x 1) plus descriptive points e.g. cloud and heavy rain (2x2 marks)	4
		(ii)	Suggest reserve 1 mark for clarifying hazardous (i.e. danger/damage), 1 mark for point about less extreme weather inland, and 2 marks to process (e.g. oceanic heat source...)	4
	(c)	(i)	Expect power of nature idea (1 mark); development (1 mark)	2
		(ii)	L1 = basic response referring to lower impact in MEDCs (1-2 marks) L2 = some reasoning behind scale of impact e.g. prediction; precautions (3-4 marks) L3 = developed reasons by means of valid examples (5-6 marks)	6
				Total 20 marks
3.	(a)	(i)	1. primary (1) 2. secondary (1)	2
		(ii)	1. e.g. teaching 2. e.g. banking credit any valid examples	2
		(iii)	2 marks for relating to sectors, e.g. primary decline (1 mark); industrialisation (1 mark)	2
	(b)	(i)	2 marks for 2 valid factors, e.g. climate 2 marks for examples (e.g. rainfall and rice)	4
		(ii)	As per (b) (ii) on Tier F (1 +2 marks)	3
	(c)	(i)	Valid type of manufacturing, e.g. cars; electronics	1
		(ii)	L1 = expect stated factors only, e.g. labour costs (1-2 marks) L2 = stating plus some explanation (3-4 marks) L3 = expect a case study approach (5-6 marks)	6
				Total 20 marks

4.	(a)	(i)	Single-point marking or developed point marking (3x1)(2 +1) Expect central/core ideas and named places (cities and/or countries)	3
		(ii)	Banana shape (1 mark) Economically hot (1 mark)	2
		(iii)	Expect peripheral idea plus remoter/coastal idea (2 x 1 marks)	2
	(b)	(i)	Accept 3 indicators stated or 2 indicators with description for maximum marks. Expect economic, social or population indicators for maximum marks.	3
		(ii)	Explanation for maximum marks. Expect reasons, e.g. investment, resources... 2 explained reasons = 4 marks.	4
	(c)		L1 = Expect broad concept of government intervention via spending policies (1-2 marks) L2 = Expect specific areas of spending stated, e.g. road-building; public projects... with some development for 4 marks (3-4 marks) L3 = Expect explanation and example(s) (5-6 marks)	6

Total 20 marks

- | | | | | |
|----|-----|-------|--|---|
| 5. | (a) | (i) | Expect both inter-regional and international for maximum marks, e.g. Americans are moving south to the 'sunbelt' (1 mark); in-migration from Canada (1 mark) | 4 |
| | | (ii) | Avoid double-marking and credit pull and push ideas. Basic structure is 1 mark per valid reason with 2 nd mark for explanation. | 2 |
| | (b) | (i) | Credit accurate definition. | 2 |
| | | (ii) | L1 = Lists factors for migrating (1-2 marks)
L2 = Understands these factors as urban push and rural pull. Perhaps unbalanced (3-4 marks)
L3 = Explains both urban push and rural pull to indicate migration (5-6 marks) | 6 |
| | | (iii) | L1 = Lists causes(e.g. job seeking) or one cause described (1-2 marks)
L2 = Develops two causes into description (3-4 marks)
L3 = Expect either further cause addressed and/or place knowledge of named area (5-6 marks) | 6 |

Total 20 marks

6.	(a)	(i)	Expect well-made descriptive point (distinctive) for 1 mark. Differences are age, location, services, shanties...	3
		(ii)	Expect one reason for each difference in part (a)(i) Up to 3 marks for Figure 6 evidence (e.g. new bungalows; rich business people)	3
	(b)	(i)	e.g. earliest nearest because... (1 mark each)	1
		(ii)	Allocate 1 mark to choice, e.g. south-east of CBD	3
	(c)		L1 = Lists "lifts" e.g. rapidly expanding; squatter settlements (1-2 marks) L2 = Expect some working of data e.g. 90km across... or explicit understanding of what a mega-city is (3-4 marks)	4
	(d)		L1 = Lists/states factors, e.g. accessibility, land values... or merely describes a typical land use pattern in a city (1-2 marks) L2 = Develops one factor (3-4 marks) L3 = Develops at least two factors or gives locational knowledge (5-6 marks)	6

Total 20 marks

7.	(a)	(i)	Expect two changes, e.g. declined; 12% loss; 275 m. ha. lost...	2
		(ii)	1 mark = broad idea e.g. dry/desert-like... 2 marks = deeper concept e.g. little use/plant growth limited	2
	(b)	(i)	Reserve 1 mark for understanding of fragility, i.e. under threat. 1 mark for evidence, e.g. savanna becomes desert	2
		(ii)	L1 = Expect farming (1 mark); A - F (sequence of savannah to desert) (1-2 marks) L2 = Expect crops and grazing, or one developed (e.g.) overgrazing; ploughing) (3-4 marks) L3 = Expect both developed (5-6 marks)	5
		(iii)	Reserve 1 mark for definition of subsistence farming; 2 marks for food shortage and pressure to work land or roam	4
	(c)		L1 = expect consequences listed or one consequence only (e.g. migration; famine ...), perhaps a really non-specific (1-2 marks) L2 = expect place-specificity and some development of perhaps one consequence (3-4 marks) L3 = expect at least 2 consequences explained in a spatial context (5-6 marks)	6
	(d)		Expect tropical rainforests (specification requirement) or acceptable alternatives. L1 = Basic response referring to management, conservation and perhaps international co-operation and allusion to sustainability (1-3 marks) L2 = Expect clarity regarding sustainability and specific actions (e.g. agro-forestry) outlined (4-6 marks) L3 = Expect case study approach (7-9 marks)	9

Total 30 marks

8. (a) (i) Up to 2 marks for giving reasons stated in Figure 8 (i.e. fertile soil etc.). 3
Reserve 3rd mark for explanation (e.g. year-round growing season).
- (ii) 3x2 marks - for each, basic idea = 1 mark; 2nd mark for development e.g. 2: afford to pay (1 mark); fresh, high quality vegetables (1 mark) 6
Credit any valid danger e.g. competition from other suppliers; low prices
- (iii) Basic idea = 1 mark, development = 2 marks 2
- (b) (i) Expect economic response which, for maximum marks, focuses on need for development. Credit points up to 3 (e.g. export earnings; jobs...) 4
- (ii) L1 = expect example (e.g. ecotourism) and basic descriptive points (1-2 marks) 6
L2 = expect concept of sustainability understood and some development (3-4 marks)
L3 = expect case study (5-6 marks)
- (c) Expect 'why', not 'how'. 9
L1 = Expect basic points about negative impact of mass tourism (1-3 marks)
L2 = Expect a range of impacts, environmental and economic (4-6 marks)
L3 = Expect examples named and impacts explicitly linked to sustainable future. Expect popular package holiday destination(s) (7-9 marks)

Total 30 marks

9. (a) (i) Meaning, e.g. level below (1-2 marks) 2
- (ii) Evidence, e.g. lack of access to safe water 2
- (iii) Recognising that half are above the poverty line and half below (1 mark). (2) 2
- South Africa is a middle-income country therefore the top half are prosperous (2nd mark)
- (iv) Reserve 1 mark for cycle of poverty idea. Trapped in (3) cycle (1 mark). 3
- Links in cycle, e.g. illiterate and unemployed (1-2 marks)
- (v) 3x2 marks - For each, award 1 mark for clarifying (e.g. 3= falling output) and 2nd mark for reason (e.g. smaller workforce) 6
- (b) L1 = expect clarification of what aid is e.g. loans (1-2 marks) 6
- L2 = expect details about aid e.g. its role or organisations/agencies... (3-4 marks)
- L3 = expect reference to either appropriate aid (e.g. IT; technical assistance..) or to alternative strategies e.g. trade (5-6 marks)
- (c) L1 = Expect measures stated, e.g. birth control; industrial investment (1-3 marks) 9
- L2 = Expect development of one measure, e.g. where; how it works... (4-6 marks)
- L3 = Expect more than one measure explained or a case study approach for one measure, e.g. Chinese one-child policy

Total 30 marks

PAPER 3

1. (a) (Reading from top to bottom)
C/F
C/f
A
D
E
5 x 1 marks (5)
- (b) 1 mark for each correct plot.
4 x 1 marks (4)
- (c) Point mark for similarities/differences.
Similarities include both areas have trees and plants, both areas have modern buildings and are busy.
Differences include the pavements (wide in Orchard Road, no pavements along the East Coast Parkway) , Orchard Road is less busy and less noisy.
2 x 2 marks (4)
- (d) Level 1 =1-3 marks
Simple statements copied from the sketches and/or the graphs.
- Level 2 = 4-5 marks
More developed comments made such as there are more trees in the CBD than the inner city.
- Level 3 = 5-7 marks
Clear comparisons made e.g. there are more trees in the CBD and at the edge of the city suggesting that the environment is more pleasant in these areas. (7)

Total 20 marks

2. (a) (i) North/north west
(ii) East Wood
(iii) Holford
(iv) 1 km
(v) 311 metres
1 x 5 marks (5)
- (b) Labels from left to right.
Woodland.
River Holford.
A39
1 x 3 marks (3)
- (c) (i) 1. G
2. H
2 x 2 marks (2)
- (ii) 1 correct plot = 1 mark
2/3 correct plots = 2 marks
4/5 correct plots = 3 marks
6 correct plots = 4 marks (4)
- (iii) Point mark.
Positive.
Weakly positive/ the correlation is not strong.
2 x 1 mark. (2)
- (iv) Point mark. Possible responses include:-
The velocity increases with depth.
Figures used to show the relationship.
Anomalies.
Noticing that the relationship or the conclusion is tentative.
1 x 4 marks. (4)

Total 20 marks

3. (a) (i) A recognisable geographical question or issue. (1)
- (ii) One aim briefly stated. 1 mark
One aim given in detail or two clear aims. 2 marks. (2)
- (iii) Point mark. A recognisable place. Location detail such as town or river names. A detailed description of the location, possibly using compass directions. (4)
- (b) (i) Outlining a problem that relates to the investigation. (1)
- (ii) A suitable solution to the problem. 1 mark.
An explanation of how this solved the problem. 1 mark. 2 x 1 marks. (2)
- (c) (i) Naming 2 types of data. 2 x 1 mark.
Describing or illustrating presentation of this data. 2 x 1 mark. (4)
- (ii) Level 1 = 1 - 2 marks
Simple ideas such as easy to draw.
Level 2 = 3 - 4 marks
More advanced ideas such as showing proportion or allowing for easy comparisons. (4)
- (iii) Name of method. 1 mark.
Ensuring that the method is relevant to the investigation/data. 1 mark. (2)

Total 20 marks