CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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0460 GEOGRAPHY

0460/13

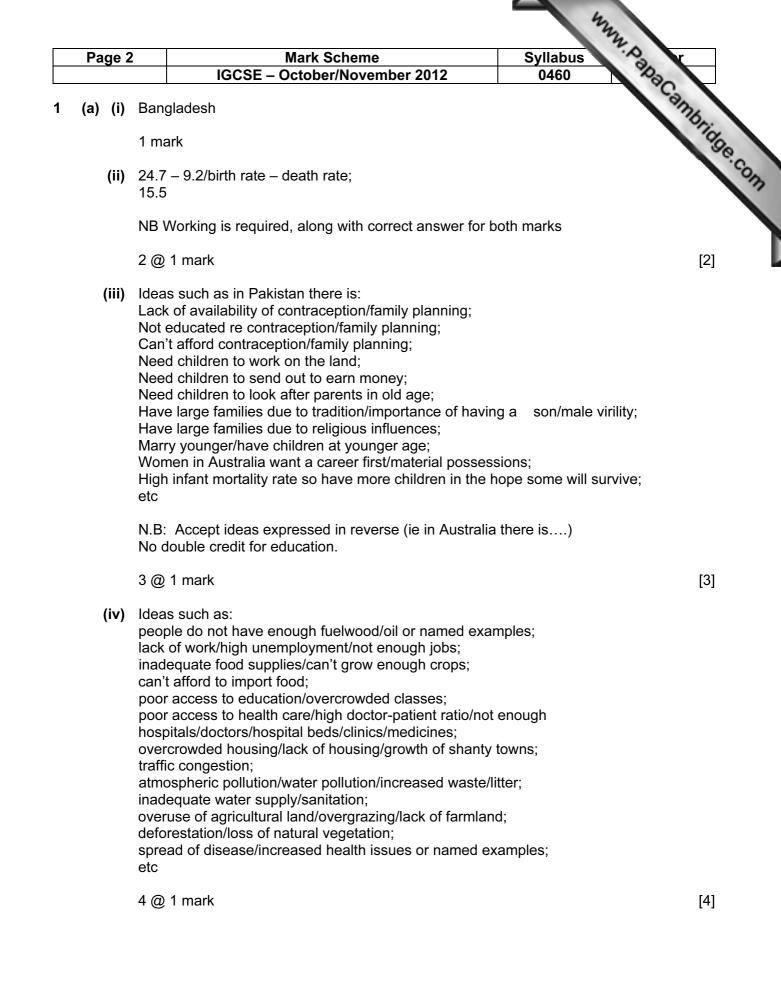
Paper 1, maximum raw mark 75

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



Page 3	3 Mark Scheme	Syllabus r
	IGCSE – October/November 2012	0460 703
c c a E E	Coastal areas/near coast/near ocean; one in south/in Los Angeles San Diego area; one in central part/ in San Francisco area; around main cities/near to San Francisco, L.A. and Sar Diego/names all 3 cities; Etc 3 @ 1 mark	Syllabus 0460 n Diego/between L.A. and San
		[2]
() V i a a a a a v v e	deas such as: coastal areas for trade; where ports have been established (dev); n bays; as it is sheltered/protected from storms (dev); areas of flatter land/mainly below 600 metres/low land; as building is easier on flatter land (dev); road/rail/transport communications are easier/cheaper agricultural production is easier on flatter land (dev); areas with over 250 mm precipitation/high rainfall; where water supply is easier for domestic use/agricultu etc	to build in lowland areas (dev);
(c) Leve	Is marking	
Leve	<u>l 1</u> (1–3 marks)	
	ements including limited detail which suggest reasons for pull factors.	or international migration can be

Level 2 (4-6 marks)

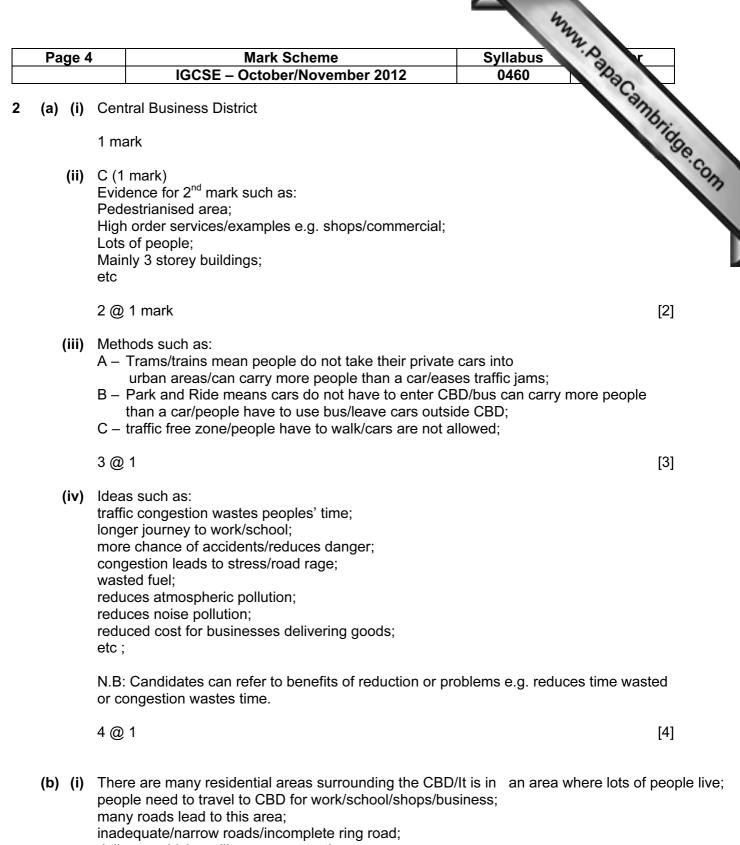
Uses named example More developed statements which explain reasons for international migration. Can be push or pull factors.

Level 3 (7 marks)

Uses named example (eg Turkey to Germany). Comprehensive and accurate statements including some place specific reference. **Must include both push and pull factors**.

Candidates are likely to refer to ideas such as: Employment Services Food Supplies Conflict Climatic factors Natural Disasters etc. Place specific detail could include names of areas/places within selected countries. [7]

[Total 25]



delivery vehicles will cause congestion;

people parking will cause congestion;

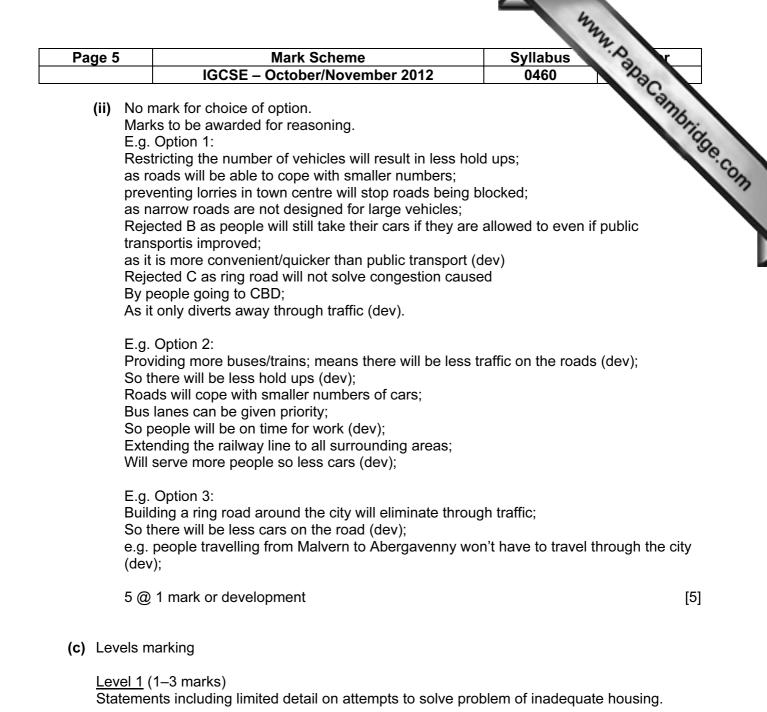
only one road bridge over river;

not all areas are covered by a railway line/no station in CBD;

Cathedral traffic; etc

3 @ 1 mark

[3]



Level 2 (4–6 marks)

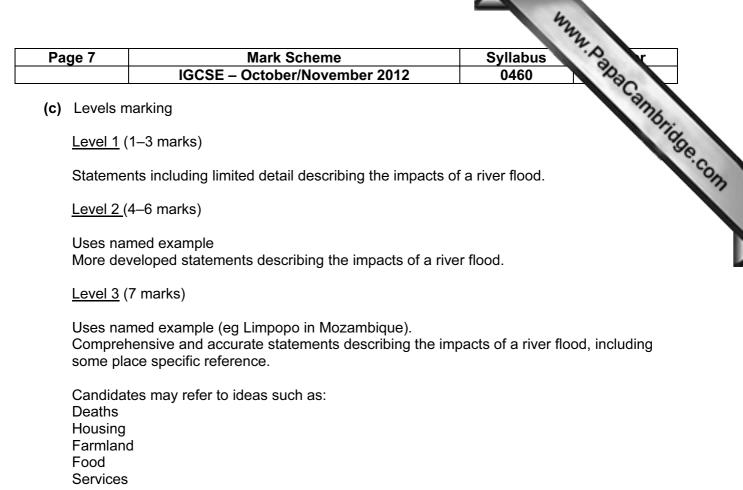
Uses named example (must be smaller than a country). More developed statements on attempts to solve problem of inadequate housing.

Level 3 (7 marks) Uses named example (eg Rio de Janeiro). Developed references to attempts to solve problems of inadequate housing including some place specific reference.

Candidates may refer to ideas such as: Building materials Housing developments Relocation New towns/cities Infrastructure etc

[7]

	Mark Scheme Syllabus	6.
(a) (i) S	Mark Scheme Syllabus IGCSE - October/November 2012 0460 peed (of flow of the river) mark . particles eroded/erosion/saltation/suspension/particles ansported/transport/attrition/hydraulic action/abrasion;	aCan
	mark	"brig
• •	. particles eroded/erosion/saltation/suspension/particles ansported/transport/attrition/hydraulic action/abrasion;	
B	. particles deposited/deposition/particles dropped;	
2	@ 1 mark	[2]
• •	ydraulic action;	
С	orrasion/abrasion; orrosion ttrition.	
3	@ 1 mark	[3]
(S N N th	laterials being picked up by water and bounced along the bed/series of hops Saltation); laterials dissolved in the water (Solution)/chemicals destroy/dissolve materia laterials carried within the water (Suspension)/without touching river bed/floa ne water; laterials being pushed/rolled along bed (traction);	
	@ 1 mark	[4]
S	eatures should be evident from photographic evidence. Ideas such as: eep outer bank/river cliff; entle inner bank/slip off slope/river beach;	
d s d c	eep water on outside; nallow water on inside; eposited materials/pebbles on inside; iff bank is eroded; tc	
d s d c e	nallow water on inside; eposited materials/pebbles on inside; iff bank is eroded;	[3]
d s d c e 3 (ii) ld V L C V L C V C	nallow water on inside; eposited materials/pebbles on inside; iff bank is eroded; tc	[3]

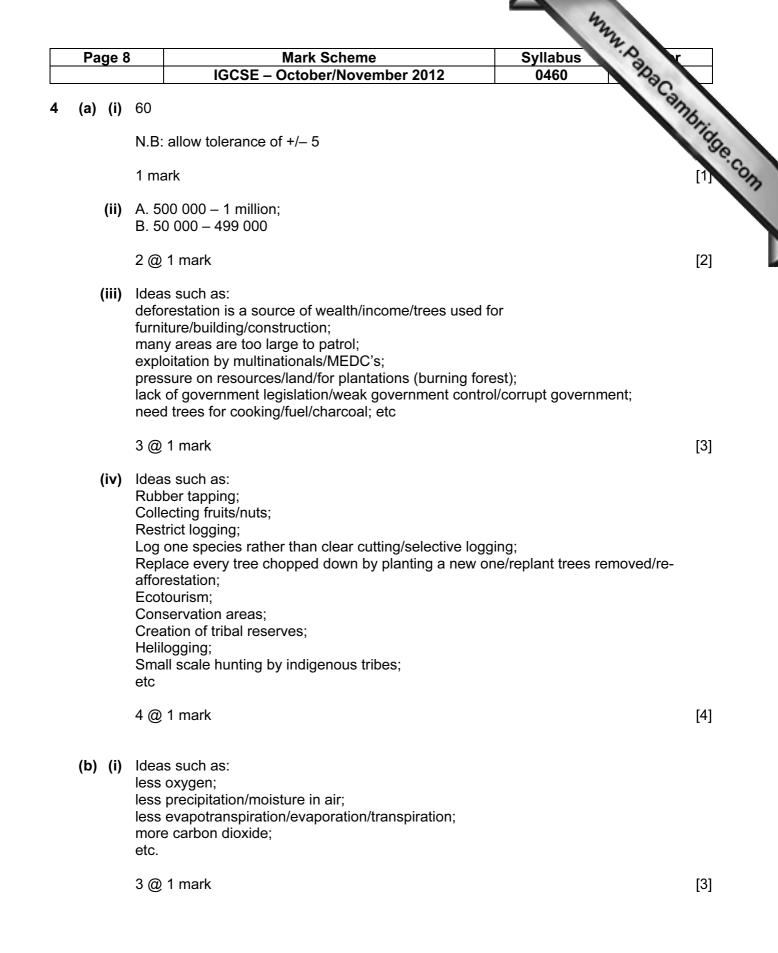


Soil Fertility Transport

etc.

Place specific detail can include names of features/areas/date/statistics within the selected case study. [7]

[Total: 25]



	Mark Scheme	Syllabus r
	IGCSE – October/November 2012	0460
the so the co the so	as such as: re will be less interception/protection by vegetation; rain falls directly on to the ground (dev); refore soils will be less well drained (dev); npaction of topsoil occurs; refore less infiltration/water flows overland (dev); erosion may occur; soil is not held together by roots (dev); settles on river bed/displaces water;	Syllabus 0460 Randon Bacannuridge

(c) Levels marking

Level 1 (1–3 marks)

Statements including limited detail describing and/or explaining the main features of tropical rainforest climates.

Level 2 (4–6 marks)

Uses named example More developed statements describing and/or explaining the main features of tropical rainforest climates. Level 3 (7 marks)

Uses named example (eg Amazon Rainforest). Comprehensive and accurate statements describing and/or explaining the main features of rainforest climates, including some place specific reference.

Candidates may refer to ideas such as: Temperature Precipitation Convection Evapotranspiration Condensation Ascending air etc.

Place Specific reference can be names of settlements/rivers/features within the selected area. [7]

[Total: 25]

Page 1	0	Mark Scheme	Syllabus Syllabus	Nr
		IGCSE – October/November 2012	0460 23	
(a) (i)	Fuku	uoka/Osaka-Kobe/Nagoya/Tokyo		amp
	1 ma	ark		Tig
(ii)	50%	of manufacturing output/industry; of public companies have headquarters there; of foreign financial institutions are there;	Syllabus 0460	
	N.B:	or appropriate interpretation of statistics e.g. as a fr	action.	
	2@	1 mark		[2]
(iii)	Clos easy Flat Good	s such as: e to coast/ports; r to obtain imports/dispatch exports; land/interior is mountainous; d rail communications/there are 3 high speed rail line e workforce/market/65% of Japans' population live t		
	3@	1 mark		[3]
(iv)	over lack cong atmo unev indus	s such as: crowding of residential areas; of open space/green areas; gestion on roads; ospheric/noise/water/visual pollution (up to max. 2); ven development within country; stries unable to expand; es cost of land up/high cost of land;		
	4@	1 mark		[4]
(b) (i)	B. hi	arket/workforce; gh technology research/well qualified workers; ransport of raw materials/finished products/workforce	e;	
	3@	1 mark		[3]
(ii)	creat there more creat inves such	s such as: tion of jobs; efore stimulus to local economy/economic growth (de e money to spend on local businesses; ting multiplier effect (dev); stment in local infrastructure; as transport network (dev); oves standard of living;	ev);	
	۲ @	1 mark or development		[5]

Page 11	Mark Scheme	Syllabus
	IGCSE – October/November 2012	Syllabus 0460
(c) Levels m	arking	
<u>Level 1</u> (1–3 marks)	
Statemer	nts including limited detail explaining causes of glo	bal warming.
<u>Level 2</u> (4–6 marks)	
More dev	veloped statements explaining causes of global wa	arming.

Level 3 (7 marks)

Comprehensive and accurate statements explaining causes of global warming, including labelled diagram with at least 2 separate ideas on diagram e.g. causes and trapping heat idea.

Candidates may refer to ideas such as: Industry Fossil fuels Greenhouse gases Deforestation Sun's rays let through Heat trapped/build up heat Radiation Etc.

[7]

[TOTAL: 23]

Page 12		Mark Scheme	Syllabus	· ~
		IGCSE – October/November 2012	0460	Par
(a) (i)	Farr	ner/miner/fishing/forestry etc		ambri
	1 ma	ark		19
(ii)	corre Use only 75%	ntries with low GDP have high percentage in primar elation (1 mark); of two pairs of statistics to illustrate this (2 nd mark) e 6% employed in primary industry but in Nepal there be employed in primary industry. er statistics are: Poland \$18500 GDP and 17% prim	e is only \$1500 GDF 10	or Austria and
		key \$11500 GDP and 27% primary iland \$7500 GDP and 43% primary		
				[0]
	2@	1 mark		[2]
(iii)	man not r man lack	as such as: ay people work in agriculture; much mechanization; ay people lack education/skills/jobs are less skilled; of factories/services; ay subsistence farmers etc		
	3@	1 mark		[3]
(iv)	Goo Corr Muc Thes	as such as: ad service provision (or examples); appanies involved earn high revenues/foreign current th foreign investment/investment from multinationals se services (e.g. banks) support other industry; ay educated people/skilled people;		
	4@	1 mark		[4]
(b) (i)	wildl mou tradi	actions such as: life/safari/see animals in natural habitat/see elephar intain scenery; itional cultures/artefacts/crafts/housing; course;	nts/fauna;	
	3@	1 mark		[3
	-			-

Page 13 Mark Scheme Syllabus IGCSE – October/November 2012 0460 (ii) Ideas such as: Building/improvement of roads/railways; For tourist use can be used by locals (dev); Building/extending airports; Gives residents better access to other countries (dev); Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev) Money used to invest in healthcare; so improves life expectancy (dev);	Page 13	B Mark Scheme	Syllabus Syllabus
 (ii) Ideas such as: Building/improvement of roads/railways; For tourist use can be used by locals (dev); Building/extending airports; Gives residents better access to other countries (dev); Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev) 		IGCSE – October/November 2012	0460
Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev)	(ii)	Ideas such as:	an.
Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev)	()		16.
Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev)		•	19
Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev)			
Water supply network developed; So people can use piped water for their homes (dev); Electricity grid extended; So people can use it in their homes (dev)			
Electricity grid extended; So people can use it in their homes (dev)			
So people can use it in their homes (dev)		So people can use piped water for their homes (dev);	
		Electricity grid extended;	
Money used to invest in healthcare; so improves life expectancy (dev);			
Money used to invest in education; so gain better qualifications for higher paid jobs		•	
		(dev);	
		etc	

5 @ 1 mark or development

[5]

(c) Levels marking

Level 1 (1–3 marks)

Statements including limited detail describing impact of tourism on natural environment.

Level 2 (4–6 marks)

Uses named example More developed statements describing impact of tourism on natural environment.

Level 3 (7 marks)

Uses named example (eg Algarve). Comprehensive and accurate statements describing **impact** of tourism on natural environment, including some place specific reference.

Candidates may refer to ideas such as: Animals Vegetation Coral Visual impact Air pollution Water pollution Etc.

Named example should be smaller than a country but if a small country is named such as Jamaica that is acceptable.

N.B: impacts can be positive or negative.

Place specific detail can be names of features/places/attractions within the selected example.

[7]

[Total: 25]