## MARK SCHEME for the May/June 2012 question paper

## for the guidance of teachers

## 0460 GEOGRAPHY

0460/23

Paper 2, maximum raw mark 60

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 must be read in conjunction with the question papers and the report on the examination.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

	Page 2		Mark Scheme: Teachers' version	Syllabus	Paper
			IGCSE – May/June 2012	0460	23
1	(a) (i)	206	(allow 208)		[1]
	(ii)	pow	er line		[1]
	(iii)	(Riv	ulet) Lovard		[1]
	(iv)	track	ς		[1]
	(v)	wate	er <u>tank</u>		[1]

(b)

Vegetation type	Relief		
1 – tea	gentle sloping/flat/330 to 369 m/valley side		
2 – riverine trees	flat/valley floor/low/lower/lowest/floodplain		
3 – scrub	steep/north facing/high/higher/highest/any height between 370 and 440 m/hill/mountain		

If the vegetation is wrongly identified, the description of the relief can still be credited.

One mark for each cell.

(c)	zigz up a cros cros	$\rightarrow$ N $\rightarrow$ SE $\rightarrow$ N (accept any two so long as sequence/location is clear) zags/bends/hairpins/twists and turns/U turns/curves/ winding and down sses river sses valley sses ridge	
	para pos avo	allel to the slope/along the slope/across the slope/around the hill/keeps as level sible ids steep slope/avoids hill/avoids higher htation/sugar	as
	scru	•	[4]
(d)	(i)	westwards	[1]
	(ii)	dam extends to the west flat/level ground/gentle slope marsh cannot expand to south because of dam cannot expand to east because of hill/steep slope	[2]

(iii)	reservoir (for water storage)	
	steep slopes (for fast water flow)	
	decrease in height/head of water	
	road/valley access	[2]

[6]

	Page 3	Mark Scheme: Teachers' version Sy		Paper
		IGCSE – May/June 2012 0460	0460	23
2	<b>(a) (i)</b> Kila	uea		[1]
	(ii) Naz	ca <u>and</u> South American		[1]
	(iii) Coc	cos/Nazca/Antarctic		[1]
	(iv) Nor	th American <u>and</u> Eurasian/Europe		[1]
	in East A	e uncertain plate boundary/rift valley Africa/east of plate/named country		[0]
	inland/or	niand		[2]
	( <b>c) (i)</b> ash			[1]
	(ii) blov	vn by the wind		[1]
3	interlock V shape bare roc gorge/ra steep (si no/little f deep val scree	/meanders (river or valley) ting spurs id valley k/rocky/pale/multicoloured rock/little vegetation/spa ivine/canyon ides)/cliffs floor (or flood plain)/river fills the floor/narrow valley	-	[5]
	(b) gentle waterfall plunge p rapids/in smooth			
	Only acc	cept labels in appropriate places.		[2]
	expense effect on	n plants/animals		
		ake possibility effect on people upstream or downstream		[1]

	Page 4			Mark Scheme: Teachers' version	Syllabus	Paper
				IGCSE – May/June 2012	0460	23
4	(a)	(i)	bar a	at 550 000		[1]
		(ii)	215	000 – 224 000		[1]
	(b)	(i)	•	er/high GDP/standard of living/wealthy countries/ric ish language	h	
			Allov	w high GDP/person and high GDP rank = 2		[2]
		(ii)		istance has little/no effect a almost the same number of migrants/slightly more	in Kuwait	[2]
	(c)			9% (or 41% if largest segment is to the right) hading (larger segment block shading, smaller line s	shading)	
		Acc	ept ir	n any order		[2]
5	(a) division between 80% and 18% – smaller segment 64–66° shading correct (raw materials lines, labour etc. block shading – larger segment black			nt black)		
		Acc	ept ir	n any order.		[2]
	(b)	(i)	railw empl airpo	ersity <u>for well educated workforce/research</u> ay/expressway for transport of raw materials/compo loyees/customers ort for transport of raw materials/components/produc s for market	·	stomers [2]
		(ii)		ponents/raw materials/products are light in weight/lo need small quantities of raw materials	ow bulk/high value	e for bulk [1]
		(iii)	qual	ly skilled workforce ified employees expect high wages d to attract the best workers		[1]
	(c)	che che	aper aper	of land in Singapore/more land available in Bangal land in Bangalore labour costs in Bangalore incentives offered by the Indian Government	ore	
	access to large/growing market [2				[2]	

	Page 5		Mark Scheme: Teachers' version	Syllabus	Paper
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6	it v de me	was ge eep/150 oved b	neasure it/difficult to measure tting worse day by day/more leaked out 00 m y currents/wind g out/200 km		[1]
	(b) (i)	SE/c near Flori carri SW Miss SE/c near Alab SW near Cuba carri	ed by ocean current winds/NE winds/onshore winds issippi onshore winds to the well ama winds/SE winds/onshore winds to the well		
		Nam	ie = 1 Reasons = 2.		[3]
	(ii)	onsh	ed by ocean current hore/NE winds carry it on to the beach tradictions = 0)		[2]
	(iii)	shop	ble involved directly or indirectly with tourism e.g. hole keepers – loss of earnings/unemployment ers – loss of earnings/unemployment	tel owners/coach	drivers/
		touri	sts owning holiday homes – possibility of oil on bead	ches	
		envii	ronmentalists – damage to ecosystems/wildlife/no re	epetition of the ev	ent
		Two	different reasons required		[2]