

MARK SCHEME for the May/June 2013 series

0460 GEOGRAPHY

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0460/21

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 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 May/June 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.



Page 2		Mark Scheme	Syllabus	Paper
		IGCSE – May/June 2013	0460	21
(a) (i)	mair	n A/A/A3 (main = 0)		[1]
(ii) re		rvoir		[1]
(iii)	(Fee	der des) Cocos		[1]
(iv)	dam			[1]
(v)	suga	ar		[1]
(vi)	(trac	e of) old railway/light railway		[1]
	(a) (i) (ii) (iii) (iv) (v)	(a) (i) mair (ii) rese (iii) (Fee (iv) dam (v) suga	IGCSE – May/June 2013(a) (i) main A/A/A3 (main = 0)(ii) reservoir(iii) (Feeder des) Cocos(iv) dam(v) sugar	IGCSE – May/June 2013 0460 (a) (i) main A/A/A3 (main = 0) (ii) reservoir (iii) reservoir (iii) (Feeder des) Cocos (iv) dam (v) sugar

mark the first given

(b)

	Petit Verger (9002)	Petite Rivière (9100)	Both these areas	Neither of these areas
a temple		~		
scattered trees or scrub	✓			
linear settlement				✓
nucleated settlement		~		
land over 50 metres above sea level		~		
	1	1	1	

(c) (i)	correct position of the Belle Eau river 32–39 mm from left	
(ii)	correct position of the B78 Albion Road 50–53mm from left	[1]

(iii) correct position of the Feeder des Cocos river 66–69mm from left [1]

(d) (i) 2100–2200 (metres)

- (ii) south east
- (iii) 80m

	Page 3		Mark Scheme Syllabu		s Paper	
			IGCSE – May/June 2013	0460	21	
	(e)	Adv	antages: sand/beaches cliff <u>scenery</u> coral reef developed e.g. for trips, beauty little settlement therefore quiet space for development <u>main</u> road access workforce from settlements	etc.		
		Disa	advantages: lack of <u>built</u> attractions/cultural landmar no hotels lack of roads <u>along coast</u> quarry/prison/poultry farm <u>not scenic</u>	ks		
		rese	erve one mark for each part		[3]	
2	(a) (i)) wind	d vane/weather vane		[1]	
	(ii)) ane	mometer		[1]	
	(iii)		rometer			
	(11)		and dry bulb thermometers		[1]	
	(b) (i)) Wea	dnesday 18th		[1]	
	(ii)	•	cloud = higher temperatures/more cloud = lower te east one part needs to be comparative)	mperatures		
		Fri 2 20 c	d 18 and Thur 19 low cloud and high temperatures 20 and Sat 21 cloudy and low temperatures legrees or more = 3 otkas or less legrees or less = 8 oktas			
			at group days for last four points and not quote figure s not needed	es for single days	[2]	
	(c) (i)		grass 30cm/(high) above ground		[1]	
	(ii)	•	ecting bottle enclosed/narrow neck ecting bottle below ground		[1]	

	Page 4	ļ		Mark Scheme	Syllabus	Paper
				IGCSE – May/June 2013	0460	21
3		Pho	tograph A	small scale/small plots rectangular plots basins/ditches/flooded areas (water) pipe/tube hoe/mattock/digging tool/hand tool/s vegetables/green crops/cabbage fenced dry area therefore irrigation	imple tool	
		Pho	tograph B	large scale/large plots canal/river <u>for irrigation</u> crops in rows greenhouses/covered areas		
		Pho	tograph C	sheep/goats/cattle scrub/bushes/shrubs bare ground/barren/sparse vegetatio fenced/enclosed/paddocks	'n	
		Res	erve one mar	k for each photograph		[8]
4	(a) (i)		tion of epicer of E in correc	ntre within intensity 6 area or adjacent s t area)	sea	[1]
	(ii)	line	drawn betwe	en 4s and 5s		[1]
	(iii)		(only) by a few s and animals	w/some people (at rest) s uneasy		[1]
	(b)	all c	12, 9, 10 orrect = 2 rrect = 1			[2]
	(c) (i)	build	lings are on s	and and clay		[1]
	(ii)	cour	ntry has had f	ew previous earthquakes to learn from	ı	[1]
	(iii)	a tsı	unami can tal	e hours to travel across an ocean		[1]
5	(a)			hading for world hading for Asia and Oceania		
		shad	dings missed	or reversed = 1		[2]
	(b) (i)	Japa	an			[1]
	(ii)	India	a			[1]
	(iii)	Chir	na			[1]

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(c)	uranium ore will not run out for a long time/hundreds of years (therefore sustainable) does not produce carbon dioxide/acid rain therefore not polluting/ not contributing to greenhouse gases/not harmful to environment small amounts of uranium are needed (therefore cheap/sustainable) safety records of nuclear power stations has improved	
	the industry is highly-regulated in most countries therefore safer raw materials for nuclear weapons	[3]
(a) (i)	8	[1]
(ii)	correct plot of 6 for Bay of Plenty	[1]
(b) (i)	lost population/population decrease/population increase if clear that Tasman included e.g West Coast and Southland	I
(ii)	gained population/population increase e.g. Canterbury <u>and</u> Otago	
(iii)	no overall pattern overall increase Tasman/Malborough increased Nelson decreased reserve one mark for each part	[4]
(c)	no/no overall movement from south to north/north has lost and south has gained/ movement is north to south/it is the reverse north has lost 10.4 south has gained 11.4 (allow without thousand) north: 5 regions lost population and 4 gained	

6

north: 5 regions lost population and 4 gained south: 4 regions gained population and 3 lost population [2]