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CAMBRIDGE INTERNATIONAL EXAMINATIONS GCE Ordinary Level

MARK SCHEME for the October/November 2012 series

2217 GEOGRAPHY

2217/23

Paper 2 (Investigation and Skills), maximum raw mark 90

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.



		J -	GCE O LEVEL – October/November 2012	2217	23
1	(a)	(i)	8078		[1]
		(ii)	Golf Course		
			Rifle Range		[2]
	b)	(i)	Dip Tank		
	IJ,	(')	Dam		
			Hut Cultivation		
			Reservoir		[5]
		(ii)	Accurate in relation to the edge of the grid Accurate in relation to the hut		[2]
			Additional in Totalion to the nat		[~]
	(c)	(i)	805757 or 805757		[1]
		(ii)	West and east		[1]
	(d)	Min Qua		[2]	
		Qui		[4]	
	(e)	8.5			
		Add	[2]		
	(f)	Hig	hland		
	.,		ak at 1468.5m ntle slopes in N and W }		
	Steep slopes in S and E}or comparative for 1 mark Valleys				
		Rad	dial drainage		
			outaries serve 1 mark for drainage)		[4]
					[Total: 20]
2	(a)	(i)	Prevailing wind is onshore Beach is made of sand		[0]
					[2]
		(ii)	Water table is at the surface		[1]
	(b)	(i)	Grass / marram		[1]
		(ii)	Ground cover increases		
		` '	Shelter increases Salinity decreases		[3]
			Jaminey Goor Good		اما

Syllabus

Paper

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	Page 3			Syllabus	Paper
			IGCSE – October/November 20	12 0460	43
	(iii)		n sea has less salt input from spra vashes salt away and not replace		[1]
					[Total: 8]
3	(a) (i)		the present time upted and likely to do again		[1]
	(ii)	Height redu Top widene	iced ed / flattened / sunk in / caldera / la	arge crater	[2]
	(b) (i)	Destroys he Destroys ro	ads		[2]
	(ii)	Narrower Faster			[2]
	(iii)	461.5 / 460			[1]
					[Total: 8]
4	Barr Sno Stee Fore Gra Vall V-si Inte	ss ey naped rlocking spu ey teway	rs		[5]
	Low Buil	ter land / ter er land ding materia zing land			[3] [Total: 8]
5	(a) (i)	Diagonal sl	nading on Australia		[1]
	(ii)		measured the value collect an overall value		[1]

		<u> </u>		IGCSE – October/November 2012	0460	43	
	(b)	1 co	ountry ountry ountry	es in Asia / China / India / Japan / in Europe / France / in South America / Brazil / in North America / USA ries in Africa / Australasia			[3]
	(c)	Pop	oulatio	different climate / rainfall / temperature on size of different areas infertile soils			[3]
						[Tota	ıl: 8]
6	(a)			neight of bar shading			[2]
	(b)	(i)	2520				[1]
		(ii)	Phili	ppines, Indonesia, Japan, New Zealand.			[1]
	(c)	Me	xico				[1]
	(d)	(i)		ect division ect shading			[2]
		(ii)	Ring	e boundaries of fire en material near surface			[1]
						[Tota	ıl: 8]
						-	_
7	(a)	(i)	Clea Clea On g	r of buildings / away from shelter / open ground r of trees / away from interception r of people or animals / away from interference grass not concrete / non-splash surface			
			On f	lat land		2 @ 1	[2]
		(ii)	Rain Read the g Read Emp	tainer stood firmly in ground / above ground / on gro fall / water collects in measuring cylinder / rains into d water level in measuring cylinder / read at eye leg gauge ding taken at same time every day / specific time pe ty water out of container	cylinder vel / read off the s	scale / read	
				any water collected in overflow cylinder			[3]
		(iii)		he top of a building y from obstruction / exposed to wind		2 @ 1	[2]

Syllabus

Paper

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Page 5		Mark Scheme	Syllabus	Paper			
		IGCSE – October/November 2012	0460	43			
(iv)	Arrow turns / spins in the wind The arrow points the direction the wind is coming from The letters show direction / reference to compass direction				[3]		
(b) (i)	4.8 (mm)						
(ii)	Primary data: using a barometer & measuring the speed of river flow Secondary data: researching on the internet & reading a newspaper report 4 correct = 2 marks, 2 or 3 correct = 1 mark, 1 correct = 0						
(iii)	Measurements made at same time of day No measurements are missing / all the days / everyday Measurements done with accurate or advanced instruments / recorded automatical by computer Experienced or professional people / student error Answer could focus on weaknesses of student measuring 2 @ 1						
(iv)	Plot 2mm at coastguard station at day 2				[1]		
	·						
(v)	Average rainfall is higher at coastguard station / lower at school						
	Paired data for 2 marks e.g. average daily rainfall 4.8 mm at school, 6.1 mm at coastguard station e.g. days with 8 mm rainfall or more (2/10 at school, 6/16 at coastguard station) e.g. up to 15 mm on one day at CG station, up to 12 mm in one day at school No Hypothesis mark						
(c) (i)	Plot	wind bars: SW = 4			[1]		
(ii)	1 ma	rainfall bar: 1 mark for scales (up to 5mm & 15 th); ark for bar = 4 mm;			101		
	1 ma	ark for position in SE quadrant			[3]		
(iii)	School: Hypothesis is not true / incorrect -1 mark reserve More rain on days when wind is from N/NW If answer is Hypothesis is true / partially true = 0 Rainfall is more than 5mm when wind is from N/NW & rainfall is 5mm or below when wind is from S/SW There is more total rainfall when the wind is from N/NW (26 mm) than when the wind is from S/SW (20 mm)						
	Coastguard station: hypothesis is true / correct /more rain on days when wind is from S/SW – 1 mark reserve If answer is Hypothesis is not true / partially true = 0 Rainfall is more than 5mm when wind is from S/SW & rainfall is 5mm or below when wind is from N/NW / NE / SE There is more total rainfall when the wind is from S/SW (76 mm) than when the wind is from N/NW /NE / SE (22 mm)						

[4]

1 mark for each hypothesis; 2 marks for supporting evidence

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		-	IGCSE – October/November 2012	0460	43	
	(d) Direction of wind varies from day to day More rain when winds blow from the sea More winds from sea / south affect coastguard station School is sheltered from winds off the sea or from south by hills / rainshadow School gets more rain when winds are from north Coastguard station is sheltered from north winds by hills / rainshadow					
	1 mark maximum for comparative location such as: CG station is nearer sea or CG station on coast & school inland CG station is at sea level & school is 200m above SL or school is higher					[3]
					[Total:	30]
8	(a) (i)	Lang Cust Ask Ask	k at what was for sale in the shops guage of shop signs / products tomers' language / survey / questionnaire shop owners / survey / questionnaire customers earance e.g. dress		3 @ 1	[3]
	(ii)	Opp	est methodology / find out if any problems / check so ortunity to change methodology / make improvemen n confidence in doing fieldwork / practice / gain expe	nts	2 @ 1	[2]
	(iii)		w divided bar to show nine tourist & six local shops ark for dividing line, 1 mark for shading			
		lf nu	mbers are 'wrong way round' credit correct shading			[2]
	(iv)	11 1 ma	ark for calculation, 1 mark for answer			[0]
	(v)	Ran site site site	need for percentage k order: site 6 = rank 2 7 = rank 4 8 = rank 5 9 = rank 3 10 = rank 11			[2]
	(b) (i)	Tota	al environmental score = 14			[1]
	(ii)		jective / biased judgements /Surveys done by differe vey will be done at different times / different days	ent people get diffe	erent results 2 @ 1	8
	(iii)		sites 4 (tourist shops = 50%, environmental score = 7 (tourist shops = 66.7%, environmental score = 23		2 @ 1	[2]
	(iv)		best fit line on scatter graph (curved or straight) itive with 3 plots clear of line on each side			[1]

Page 7		Mark Scheme	Syllabus	Paper
		IGCSE – October/November 2012	0460	43
(v)	and As p	oh shows a positive correlation / relationship betweenvironmental score percentage of tourist shops increases so does environly by the sis mark	_	of tourist shops
(vi)	mair Pooi	ironment of an area is improved to attract more tour ntain level of tourism or examples of how area is kep r environment will put off tourists / prevent them con rist industry income can be used to improve environ	ot clean ning	[2]
(c) (i)		nodology such as: one person every two minutes ale – male / ask people at equal intervals	s / every tenth p	person / male – [1]
(ii)	Com	nplete pie graph – division and shading for 1 mark		[1]
(iii)		nplete tally chart – all correct = 2 marks 4 correct = 1 mark		[2]
(iv)	- 1 r If an At 8 ques Exce At tw	othesis is true / correct / partially true / tourism does mark reserve iswer Hypothesis is not true = 0 8/10 / most / majority sites more than 50% / most stion 2) eptions are sites 1 & 2 vo sites / at site 6 / at site 10 all residents answered dit effects from Fig. 12 with supporting data (number ark maximum Most sites have more than 5 tallies for job opportun	ost / majority an Yes (to question or or site) to	swered Yes (to
Job Job Cai	At si ss une ss suc ss are n buy	employment the has guides, vendors, hotel staff, security staff / job reliable & give local people more income / earn mo necessities / luxuries or examples for education / health care / electricity / water supple	opportunities in h	[4] notels, shops

[Total: 30]