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.



-	. u	gc z		Cyllabas	i apci
			GCE O LEVEL – October/November 2012	2217	23
1	(a)	(i)	8078		[1]
		(ii)	Golf Course		
		(,	Rifle Range		[2]
	b)	(i)	Dip Tank		
			Dam Hut		
			Cultivation		
			Reservoir		[5]
		(ii)	Accurate in relation to the edge of the grid		
			Accurate in relation to the hut		[2]
	(c)	(i)	805757 or 805757		[1]
		(ii)	West and east		[1]
	(d)		ne name / Xmas		
		Qua	arry and / or excavation		[2]
	(e)		- 9(km) dition of 6km		[2]
					[-]
	(f)	Hig	yhland		
	`,	Pea	ak at 1468.5m		
			ntle slopes in N and W } eep slopes in S and E }or comparative for 1 mark		
		Val	lleys		
			dial drainage outaries		
		(Re	eserve 1 mark for drainage)		[4]
					[Total: 20]
2	(a)	(i)	Prevailing wind is onshore		
			Beach is made of sand		[2]
		(ii)	Water table is at the surface		[1]
	(b)	(i)	Grass / marram		[1]
		(ii)	Ground cover increases		
		('')	Shelter increases		
			Salinity decreases		[3]

Syllabus

Paper

Page 2

	Page 3	Mark Scheme	Syllabus	Paper
	T	IGCSE – October/November 2012	0460	43
		rther from sea has less salt input from spray inwater washes salt away and not replaced		[1] [Total: 8]
3	Re	upting at the present time cently erupted and likely to do again		[1]
		ight reduced p widened / flattened / sunk in / caldera / large crater		[2]
	De	estroys houses estroys roads ew land is created		[2]
	` '	rrower ster		[2]
	(iii) 46	1.5 / 460		[1]
				[Total: 8]
4	Bare ro Snow / Steep s Foreste Grass Valley V-shap Interloo	slopes ed / Coniferous trees		[5]
	Lower	land / terrace land g materials		[3] [Total: 8]
5	(a) (i) Dia	agonal shading on Australia		[1]
	` '	one has measured the value o hard to collect an overall value		[1]

Page 4			Mark Scheme	Syllabus	Paper		
				IGCSE – October/November 2012	0460	43	
	(b)	1 c 1 c	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	
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 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 le gauge ding taken at same time every day / specific time pe ty water out of container any water collected in overflow cylinder	cylinder vel / read off the	scale / rea	d off
		(iii)	On t	he top of a building y from obstruction / exposed to wind		2 @ 1	[2]

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)				[1]
(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				[2]
(iii)	 Measurements made at same time of day No measurements are missing / all the days / everyday Measurements done with accurate or advanced instruments / recorded autom by computer Experienced or professional people / student error Answer could focus on weaknesses of student measuring 2 				y or [2]
(iv)	Plot	2mm at coastguard station at day 2			[1]
(v)	Aver	rage rainfall is higher at coastguard station / lower a	t school		
	e.g. e.g. e.g.	ed data for 2 marks average daily rainfall 4.8 mm at school, 6.1 mm at o days with 8 mm rainfall or more (2/10 at school, 6/1 up to 15 mm on one day at CG station, up to 12 mn Hypothesis mark	6 at coastguard s	tation)	[3]
(c) (i)	Plot	wind bars: SW = 4			[1]
` '		rainfall bar: 1 mark for scales (up to 5mm & 15 th); ark for bar = 4 mm;			
	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 wind is from S/SW There is more total rainfall when the wind is from N/NW (26 mm) than when the wir 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)			nd is	
	1 ma	ark for each hypothesis; 2 marks for supporting evid	ence		[4]

	Page 6		Mark Scheme Syllabus		Paper		
			IGCSE – October/November 2012 0460		43		
	M M	lore rai lore wir	rection of wind varies from day to day ore rain when winds blow from the sea ore winds from sea / south affect coastguard station shool is sheltered from winds off the sea or from south by hills / rainshadow				
		chool gets more rain when winds are from north oastguard station is sheltered from north winds by hills / rainshadow					
	С	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					
					[Total:	30]	
8	(a) (i	Lang Cus 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	Орр	est methodology / find out if any problems / check sa 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				
		If nu	imbers are 'wrong way round' credit correct shading			[2]	
	(iv	11	100 = 27.3% (27.27)				
			ark for calculation, 1 mark for answer need for percentage			[2]	
	(v	site site site	k order: site 6 = rank 2 7 = rank 4 8 = rank 5 9 = rank 3 10 = rank 11				
	(b) (i	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 differe	ent results 2 @ 1	;	
	(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 Poo	ronment of an area is improved to attract more tour ntain level of tourism or examples of how area is keper environment will put off tourists / prevent them contrist industry income can be used to improve environ	examples of how area is kept clean off tourists / prevent them coming	
(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 tv Cred	othesis is true / correct / partially true / tourism does mark reserve swer Hypothesis is not true = 0 3/10 / 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	ost / majority an Yes (to question r or site) to	swered Yes (to
	•	Most sites have more than 5 tallies for job opportunite 10 15/20 said more job opportunities	ities	[4]
) Jo	bs suc bs are	employment ch as guides, vendors, hotel staff, security staff / job reliable & give local people more income / earn mo necessities / luxuries or examples		notels, shops
		for education / health care / electricity / water suppl	y / electricity	[3]

[Total: 30]