## UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## MARK SCHEME for the May/June 2010 question paper

## for the guidance of teachers

## 0460 GEOGRAPHY

0460/42

Paper 42 (Alternative to Coursework), 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.

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

CIE is publishing the mark schemes for the May/June 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.



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Page	e 2		Mark Scheme: Teachers' version	Paper				
			IGCSE – May/June 2010	0460	42			
(a) (	( <b>i)</b> [ i	<u>Meth</u> inste	<u>od</u> : Stratified sampling/Systematic Sampling/Ra ad e.g. ask every 5 <sup>th</sup> person, use random numbers	ndom (1) OR d (1)	escription			
	-	To ge To ge	<u>ified/reason</u> : et an appropriate gender balance (1) et an appropriate age balance (1)		[2 @ 1 - 2]			
		ro a	void bias/fair test/valid. (1)		[2 @ 1 = 2]			
(i	•		er to deal with data if there is only four classificatior ns that respondents don't have to disclose their exa	-	• • • •			
			Quicker. Easier must be qualified		[2 @ 1 = 2]			
(ii	/     	Whe How Whe How	Why did you come to this town or similar? Must be re did you come from?/Where were you born? (1) long have you lived in this city? (1) n did you move to the city? (1) old were you when you migrated? (1) you migrate alone or with family/friends? (1)					
			did you travel to the city when you migrated here?	(1)	[2 @ 1 = 2]			
(b) (			<u>ticks/crosses</u> . Accurate completion of Fig. 2 error = minus 1 mark; Two or more = 0		[2 @ 1 = 2]			
(i	- - - -	To cl progi To a( Don'i	neck that the questionnaire was producing appropri heck that everyone was completing the questionn ress so far (1) gree methodology/To change methodology if not w t want to do all 25 questions each and then fi rect or has been applied in different ways (1)	aire in the same v orking/To improve	method (1)			
(c) (		1 ma	<u>ticks/crosses</u> . Pie graph completion rk for plotting dividing line accurately at 95% or 91° rk for shading sectors – <u>both</u> must be correct	%	[2 @ 1 = 2]			
(i	i) <u>I</u>	Нурс	othesis is incorrect/partially correct Tick HA Credit I	Data = 1 max but r	not compulsory.			
·	- <u>)</u> E k	<u>X if h</u> Bigge but tl	ypotheses stated as correct. est group/highest number of residents came to th nis group is only 36 out of 100 respondents (1)	e city in search o				
			people came to the city for different reasons (1) 64 y people also moved for educational reasons (1) wi		[1 + 2 = 3]			
(d) (			graph completion: Use ticks/crosses. Dom. servants rks for accurate bar plots; <u>ignore width and shading</u>		[2 @ 1 = 2]			
(i	t -	The I beca	othesis correct (Tick HA) Data can be credited if sup biggest groups had paid jobs e.g. shop owner, dom use 73 of 100/70–75%/estimate ¾ respondents ha rity did not have paid jobs (unemployed, student, h	nestic help, ricksha d paid jobs (1)				

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Page 3						Ma														sio	n				Syllabus					;	Τ		Ρ	ap	er	
								IG	CS	۶E	_	Μ	la	ıy/	/Jı	un	e 2	20	10								0	46	)					42		
(e)	Hyp aver Hyp city the 2 Hyp resp	MAR para othes rage othes aver 20 00 othes oonde	ativ sis inc sis rag 00- sis ent	<u>e;</u> is con pa e ( -50 in s	dat cc ne arth 1) 000 co pro	<u>a sorre</u> for y c <2 00 rre	shc ect r th corr corr corr corr corr corr	<u>oule</u> ine c rec 000 teg be	d the city of the	<u>be</u> nat y ir bec vith 'y. au:	ta nl cau h 5 (1	on all Ut us 54 I)	<u>np</u> ∣ 1 tta se 1 0	<u>pa</u> 100 ar 2 200 000	n <u>re</u> 0 Pr 27 00	res rad ou (1)	<u>as</u> spo des ut c ) b <u>ed</u>	pa on sh of out	airs nde (1) 100 t so with	nts <5 ) (1 ) (1 ) me	(1 50 ( ) h e o	l) ( 000 nac f tl pc	ea 0 v d v he	rn vit re re	ed h { y l est	le 54 ( ow wi	ss 200 7 in II b of	wh D (1 coi be a In	ner I) me abo dia	n co s c ove n a	om con e U	npa npa Jtta a	arec are ar P wh	d w d w Prac ole 73/	rith /ith les m 10	the the h in any
(f)	.,	An a Did ı Diffe	no ere	: w nt	an bat	t to	o ge rns	et t s be	toc etw	o m vee	na en	ny	уı	m	en	n/w	vor	ne	en d	or o	Ìd/	/yo	our	ng	(1	)										[1]
	(ii)	Mus More The The On a On a	e r e c ag ge ave	ner Id e o nd ra	n th tha of t er ge	nar in y he of me	n w you mi the en	igra igra e m ea	nei g n an nig arn	n r no ts raı m	mo ove inf ints	ed Iflu s i re	l to ue int th	o f enc iflu ha	the ce Jei an	e c es t nco wc	city the ses om	/( e jo th	1) obs ne j n (1	the obs	-					(1)										[1]
(	(iii)	Resp Earn Resp Inco Harc May	nin po ome der	gs nde e m to	ma ent iay ca	ay l s r va iteę	be nig ary gor	inf ght /m rise	fori be ay e/g	ma e s no jra	al/ı sus ot	'nc spi kr	ot bic nc	: pa cio cw	ay ous	/ing	g t of w	ax vh	к (1 у а	) ske													[2	2@	e 1	= 2]
(g)	<u>NO</u> e.g. avai Cari	<u>ST B</u> <u>3 fc</u> <u>MAR</u> Heal ilabili ry ou p a d	or RKS alth ity ut ir	<u>iel</u> S II sa of s ve	<u>dw</u> - C nit	orl H atio	<u>k C</u> OIC on ces	DTI CE or S SL	HE IS qu uch	ER SIN Jal	<u>th</u> NA lity	<u>ha</u> \P / c el	an PP of	PR R ho	que 201 ou cric	<u>est</u> PF ise city	tio RIA es/c /, C	nn \T qu drii	<u>air</u> E alit	<u>e –</u> y o	<u>0</u> fe	) if env	<u>sı</u> /irc	ug	ge	<u>st</u>	<u>as</u>	kin	go	que	esti	ion				

Keep a diary, Make a blog, video etc. <u>NOT Quality of life.</u> Credit detail of suggested methods

[1 + 3 = 4]

[Total: 30]

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	Page 4			Mark Scheme: Teachers' version	Syllabus	Paper
				IGCSE – May/June 2010	0460	42
2	(a)	(i)	To a To c		[1]	
		(ii)	Acce Stud <u>Allov</u>	[1]		
	(b)	(i)	Funr Jar s Allov Rea	phasis on used of rain gauge NOT siting factors or re nel placed into jar (1) stood firmly in ground/above land (1) w rainfall to collect in measuring cylinder/jar (1) d water level in measuring cylinder (1) oty water to set up for next day (1)	ecording.	[3 @ 1 = 3]
		(ii)	Clea Clea Clea On g	<u>phasis on site factors</u> ar of buildings/away from shelter (1) ar of trees/away from interception (1) ar of people/animals/away from interference (1) grass/not concrete (1) fat land (1)		[2 @ 1 = 2]
		(iii)	Sour The	letters (N, E, S, W) show directions/compass th West. (1) arrow shows which direction the wind is com- ving. (1)		
			The	wind vane is located on the roof so that there ngth/interference (1)	is no obstruction,	/maximum wind [3 @ 1 = 3]
		(iv)		d sock/Streamer/thread attached to pole/use a fla er (1) <u>NOT equipment.</u>	ag/Throw grass i	nto the air/Wet [1]
		(v)	<u>Two</u>	ticks/crosses. Completion of wind rose graph NW =	= 3, N = 1	[2 @ 1 = 2]
		(vi)	Two	ticks/crosses Completion of scatter graph. Plot at 4	mm and 8 m	[2 @ 1 = 2]
	(	(vii)	<u>NOT</u> <u>Hype</u> 5mm <u>Hype</u>	<u>/cross HA:</u> (1) plus statement (1) plus reserve (1) fo <u>r little from north.</u> <u>othesis is not supported</u> (1) if just consider S wir n when winds from S (1) <u>othesis is supported</u> (1) if include SW winds & 2 mm of rainfall (1) or most comes from SE/E. (1)	nds (1) as only ra	

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Page 5		Mark Scheme: Teachers' version	Syllabus	Paper						
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(c) (i)	Seco	ary data is collected by student herself (1) ondary data is obtained from other sources/al ollected by others/not herself must be qualified. (1)	ready exists/boo	ks/the internet. [2 @ 1 = 2]						
(ii)	i) <u>Tick/cross.</u> 72/14 = 5.14. Accept 5.1 or 5.142 as only alternatives. [1									
(iii)	<u>Tick/</u>	<u>/cross:</u> Completion of dispersion graph by plotting 9	mm at 2 days at a	airport. [1]						
(iv)	More More	<u>wers must relate to pattern</u> e variation in rainfall at airport/more dispersed/sprea e days with little rainfall at school (1) e days with high rainfall at airport/less days with hig		l (1) [2 @ 1 = 2]						
(v)	Wind More Poss	ort is nearer to the sea/school further away from sea ds blowing from sea generally bring more rain (1) e incidences of winds from S (from sea) at airport (1 sible difference in altitude (airport higher above sea ef rainfall possible (1)	)	[3 @ 1 = 3]						
inve Rep Don Mak Ens Tak	estiga peat tl ne stu ke two sure ro e rea	<u>s on HOW the student could improve THES</u> <u>tions</u> he study herself (1) dy over longer period of time than two weeks (1) o sets of recordings (possibly a friend) to increase r eadings are comparable at the two locations (e.g. ti dings in different seasons to see if there is any different dings at more than one time in the day (1)	eliability (1) me of readings) ( <sup>-</sup>							

[Total: 30]

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