#### 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.



www.XtremePapers.net

		www.dynamicpapers.cor							
	Page 2	2	Mark Scheme: Teachers' version Syllabus						
			IGCSE – May/June 2010	0460	42				
1	(a) (i)	<u>Meti</u> inste Qua To g	<u>hod</u> : Stratified sampling/Systematic Sampling/Ra ead e.g. ask every 5 <sup>th</sup> person, use random numbers <u>alified/reason</u> : get an appropriate gender balance (1)	ndom (1) OR d (1)	escription				
		To g To a	get an appropriate age balance (1) avoid bias/fair test/valid. (1)		[2 @ 1 = 2]				
	(ii)	Easier to deal with data if there is only four classifications/different ages not h Means that respondents don't have to disclose their exact age/may lie (1) NOT Quicker, Easier must be qualified							
		NOT QUICKER. Easier must be qualified							
	(iii)	(iii) <u>NOT Why did you come to this town or similar? Must be about MIGRATION</u> Where did you come from?/Where were you born? (1) <u>NOT Were you born</u> How long have you lived in this city? (1) When did you move to the city? (1) How old were you when you migrated? (1) Didentify the place of the fit of the place of th							
		How	v did you travel to the city when you migrated here?	(1)	[2 @ 1 = 2]				
	(b) (i)	<u>Use</u> One	<u>ticks/crosses</u> . Accurate completion of Fig. 2 error = minus 1 mark; Two or more = 0		[2 @ 1 = 2]				
	(ii)	To c To c prog To a Don inco	check that the questionnaire was producing appropri check that everyone was completing the questionna gress so far (1) agree methodology/To change methodology if not wo agree methodology/To change methodology if not wo agree methodology and the file or want to do all 25 questions each and then file or rect or has been applied in different ways (1)	ate answers (1) aire in the same v orking/To improve nd out that the i	way/to compare method (1) methodology is [2 @ 1 = 2]				
	(c) (i)	<u>Use</u> 1 ma 1 ma	<u>ticks/crosses</u> . Pie graph completion ark for plotting dividing line accurately at 95% or 91% ark for shading sectors – <u>both</u> must be correct	/o	[2 @ 1 = 2]				
	(ii)	<u>Hype</u> <u>X if I</u> Bigg but t Mos Man	othesis is incorrect/partially correct Tick HA Credit E hypotheses stated as correct. gest group/highest number of residents came to the this group is only 36 out of 100 respondents (1) at people came to the city for different reasons (1) 64 by people also moved for educational reasons (1) with	Data = 1 max but r e city in search o 4/100 (1) th 32/100 (1)	not compulsory. f a paid job (1) [1 + 2 = 3]				
	(d) (i)	<u>Bar</u> 2 ma	graph completion: Use ticks/crosses. Dom. servants arks for accurate bar plots; ignore width and shading	s 15; plumbers 8. <u>1</u> .	[2 @ 1 = 2]				
	(ii)	<u>Hype</u> The beca Mine	othesis correct (Tick HA) Data can be credited if sup biggest groups had paid jobs e.g. shop owner, dom ause 73 of 100/70–75%/estimate ¾ respondents had ority did not have paid jobs (unemployed, student, he	oports H <u>.</u> estic help, ricksha d paid jobs (1) ousewife) (1) with	aw driver (1) 27/100. (1) [2 @ 1 = 2]				

© UCLES 2010 www.XtremePapers.net

		WW	w.dynamicpa	pers.com
Page 3		Mark Scheme: Teachers' version	Syllabus	Paper
		IGCSE – May/June 2010	0460	42
(e) <u>NO</u> <u>com</u> <u>Hyp</u> ave <u>Hyp</u> city the <u>Hyp</u> resp 20 0	MAF npara oothe rage oothe aver 20 00 oothe ponde	<u>RK FOR Hypothesis; 1 reserve for Data; then 2 oth</u> <u>tive; data should be compared as pairs.</u> <u>sis is correct</u> in that all 100 respondents (1) earned income for the city in Uttar Pradesh (1) <50 000 with <u>sis partly correct</u> because 27 out of 100 (1) had ver age (1) <20 000 with 54 000 (1) but some of the re 00–50 000 category. (1) <u>sis incorrect</u> because <u>compared</u> with the popula ents <u>probably</u> earned above the national averag 50 000 (1)	ners. Written state ed less when cor n 54 000 (1) y low incomes co st will be above t tion of India as e (1) of 24 000	ements must be mpared with the mpared with the Uttar Pradesh in a whole many with 73/100 in [3 × 1 = 3]
(f) (i) (ii)	An a Did Diffe <u>Mus</u> More	attempt to get a balanced sample/fair test. (1) not want to get too many men/women or old/young erent patterns between male/female; age. (1) <u>t relate to age/gender</u> e men than women moved to the city (1)	(1)	[1]
	The The On a On a	age of the migrants influences the jobs they have ( gender of the migrants influences the jobs they hav average men earn more than women (1) average young earn more than old (1)	1) e (1)	[1]
(iii)	Res Earr Res Inco	pondents may not want to divulge personal information nings may be informal/not paying tax (1) pondents might be suspicious of why asked/use of o me may vary/may not know what it is (1)	tion (1) data (1)	
	наro May	lie/be ashamed (1)		[2 @ 1 = 2]
(g) <u>MU</u> plus NO	<u>ST B</u> s 3 fc MAR Hea	<u>E RELEVANT/OTHER</u> i.e. not age/gender/jobs/mig or fieldwork OTHER than questionnaire – 0 if suge RKS IF CHOICE IS INAPPROPRIATE	ration. <u>1 mark for</u> gest asking ques	<u>relevant choice</u> tions/interviews.

e.g. Health/sanitation or quality of houses/quality of environment or education/ availability of services such as electricity, drinking water; Carry out investigation by taking photographs, Keep a diary, Make a blog, video etc. <u>NOT Quality of life.</u> Credit detail of suggested methods

[1 + 3 = 4]

[Total: 30]

© UCLES 2010

www.XtremePapers.net

				www.dynamicpapers.com						
Page 4			•	Mark Scheme: Teachers' version	Syllabus	Paper				
				IGCSE – May/June 2010	0460	42				
2	(a)	(i)	To a To c	chieve equal time divisions between readings (1) compare/fair/valid/consistent/reliable. (1)	) [^					
		(ii)	Acce Stuc	ess to school at weekend/school closed (1) lent is busy at weekend (1)						
			<u>Allov</u>	<u>w</u> personal problems e.g. late/traffic delays (1)		[1]				
	(b)	(i)	<u>Emp</u> Funi Jar s Allov Rea Emp	ohasis 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)	Emp Clea Clea Clea On g	ohasis on site factors 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)		[2 @ 1 - 2]				
			Ont	iat land (1)		[2 @ 1 = 2]				
		(iii)	The Sou	letters (N, E, S, W) show <i>directions/compass of th West</i> . (1)	or cardinal direct	ions/North East				
			The bloи	arrow shows which direction the wind is comi ving. (1)	ng from/from wh	ich the wind is				
			The strei	wind vane is located on the roof so that there ngth/interference (1)	is no obstruction,	/maximum wind [3 @ 1 = 3]				
		(iv)	Wine finge	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)	<u>Two</u>	ticks/crosses Completion of scatter graph. Plot at 4	mm and 8 m	[2 @ 1 = 2]				
	(	vii)	<u>Tick</u> <u>N</u> OT	<u>/cross HA:</u> (1) plus statement (1) plus reserve (1) for [ little from north.	r Data.					
			nds (1) as only ra	ainfall generally						
			<u>Hyp</u> 36/5	othesis is supported (1) if include SW winds & 2 mm of rainfall (1) or most comes from SE/E. (1)	SE winds in qu	adrant (1) with [3 @ 1 = 3]				

© UCLES 2010

# www.XtremePapers.net

		www.dynamicpapers.com									
Page 5	5	Mark Scheme: Teachers' version				Syllabu	IS	Paper			
			GCSE – May/	June 20	010		0460		42		
(c) (i)	Primary data is collected by student herself (1) Secondary data is obtained from other sources/already exists/books/the IF collected by others/not herself must be qualified. (1)								ks/the int [2 @	ernet. 1 = 2]	
(ii)	ii) <u>Tick/cross.</u> 72/14 = 5.14. Accept 5.1 or 5.142 as only alternatives.							[1]			
(iii)	(iii) <u>Tick/cross:</u> Completion of dispersion graph by plotting 9mm at							days at airport. [1]			
(iv)	<b>iv)</b> <u>Answers must relate to pattern</u> More variation in rainfall at airport/more dispersed/spread out (1) More days with little rainfall at school (1) More days with high rainfall at airport/less days with high rainfall at school (1) [2 @								1 = 2]		
(v)	Airpo Wind More Poss Relie	ort is nearer to ds blowing fro e incidences o sible differenc ef rainfall pose	o the sea/scho m sea genera of winds from \$ e in altitude (a sible (1)	ool furthe Ily bring S (from s airport hi	er away fr more rair sea) at air gher abov	om sea n (1) port (1) ve sea le	(1) evel) (1)		[3 @	1 = 3]	
(d) <u>Em</u> inve Rep Dor Ma Ens Tak Tak	estiga peat t ne stu ke two sure r ke rea ke rea	s on HOW tions he study hers dy over longe o sets of reco eadings are c dings in differ dings at more	the student elf (1) er period of tim rdings (possib omparable at rent seasons to than one time	could ne than t ly a frier the two o see if e in the	improve two weeks nd) to incr locations there is an day (1)	THESE s (1) ease rel (e.g. tim ny differe	results; iability (1) e of readi ence (1)	<u>do n</u> ngs) (1	ot credit ) [3 @	<u>new</u>	

[Total: 30]

© UCLES 2010 www.XtremePapers.net