CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## MARK SCHEME for the October/November 2012 series

## 0460 GEOGRAPHY

0460/41

Paper 4 (Alternative to Coursework), maximum raw mark 60

MMM. Hiremepapers.com

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.



Pa	Page 2				Syllabı	IS	Paper	r				
			IG	CSE – Oc	tober/N	ovembe	er 2012		0460		41	
1 (a)	Cheo Work Let p Wea repe Look Do n Work	ck cur k in p ervisic beople r wat llent k out f ot do k in d	airs / grou on e know wh erproof clo for danger	pocity of riv pos of three nere you a othing / w rous anim if river is ot in dark	ver / don' ee / don't are going ellington als / thor polluted	t work if work al / take i s / prote my vege / Weil's	f river is one / do mobile p ective clo etation /	fast-flov n't wan hone othing / mosqui	ving / rapid der off / wo shoes / Su	ork unde nblock /	insect nk river w	ater [3]
(b)		Meas Rest Take Reco	ure every rule / rule reading a rd measu rk for nam	20cm or r on river t water su rement in	0.2m aci bed / floo urface / w metres /	ross rive or /etted le / centim	er ength of s etres	string o	bank to the r pole <sup>r</sup> uler / meas		ole / pebl	ole [5]
(ii)	Disa		tage: less						mple to rea flat / exper			e in [2]
(iii)	Put f Time finish Repe	loat i how nes eat te	•	kes float t	o travel t	he dista	ance / us	e stopv	vatch to tim	e when	it starts a	and [3]
(iv)	Dista Allov =0.4	ance / v time 5 m /	ength of ti / time = 10 e figure ca sec (mus for carry f	)(m) / 22 Iculated a t be 2dp)	(secs) above if r need un	not 22 (s its	secs)	+ 18 +	25 + 18)			[3]

Page 3			Mark Scheme	Syllabus	Paper	
			IGCSE – October/November 2012 04		41	
(c)	(i)		0.6m deep at 2.0m & complete cross-section line de river channel		(1 + 1)	[2]
	(ii)	Com	nplete bar graphs – 0.7 in middle, 0.77 on outside		2 @ 1	[2]
(d)	(i)	with Nee On r with	straight section average velocity in middle is 0.53 m/s either 0.36 & 0.4 at sides <b>or</b> highest / biggest / fastes d the highest statistic meander average velocity is 0.77 m/sec on outside be either 0.7 & 0.66 in middle and inside bend <b>or</b> bigges not need units	st at 0.53 m/se end, compare	ec d	
			Hypothesis mark		2 @ 1	[2]
	(ii)	Stro	per water in middle of straight cross-section and on c nger current / greater velocity where river is deeper ause less friction with bed and banks / hitting the side		of meander 2 @ 1	[2]
	(iii)	resu If an On s On r Boys	ults of boys' fieldwork do <b>not support</b> either hypothe Its are opposite – 1 mark reserve swer is Hypothesis / girls' conclusion is supported = straight section velocity is greater on left side / 0.77 le neander velocity is greater on the inside bend (left) / s' results show little variation in velocity across river t make reference to straight & meander	0 eft & 0.71 midd	dle	[3]
(e)	Do Inve Use And	experestigates flow	experiment on different days / month / season to com riments at more sites along river ate another river meter student checks to make sure measurements are acc	urate	3 @ 1	[0]
		รังเซ แ	hat depth measurement is to the bed not an isolated		-	[3]
					[Total:	່ວບ]

	Page 4	ge 4 Mark Scheme		Syllabus	Pap	er
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2	(a) (i)	bus	ary, cinema, bank, restaurant/cafe/take-away, trave station, credit for abbreviations	-	2 @ 1	[2]
	(ii)	Goo Grev Larg Nea	sons such as: d accessibility w up with historic development of town le number of customers / large threshold / make mo r to similar / complementary services / or e.g.s such hopping / restaurant to eat whilst spending the day	as bank for peo	ople to get 2 @ 1	money [2]
	(iii)	Corr High Mov	p owners losing money / forced to close / lack of de npetition from other shopping centres / other shops n rents / expensive land / expensive to set up busine e to new shops outside CBD / shopping mall rease in number of customers / recession	ess	nops 2 @ 1	[2]

## (b) (i)

	Retail park
Shops selling comparison / high order goods	10
Shops selling convenience / low order goods	1
Services	3
Vacant / unoccupied	0
Total	14

4 correct = 2 marks; 2 or 3 correct = 1 mark

[2]

(ii) Comparison / high order goods usually cost more than convenience / low order goods
People travel further to buy comparison / high order goods than convenience / low order goods
2 @ 1 [2]

Page 5			Mark Scheme	Syllabus	Paper	
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	(iii)	jewe spor Low	n order: clothes, department store, electrical goods, ellery, motoring goods, music/games/films, mobile pl ts, toys order: baker, butcher, chemist, food/drink, fruit & ve rsagent	hones, photogra egetables,		[2]
	(iv)	- 1 m If an Appr com	othesis is <b>true</b> / <b>correct</b> / greater variety of shop & s nark reserve swer is Hypothesis is not true = 0 roximately 23 – 26 different types of shop / service i pared to 8 – 10 in retail park cinema in CBD but not in retail park (must have exa	n CBD		
		Tota Com Con	ark maximum for correct pair of figures from Table 5 I in CBD is 82 compared with 14 in retail park aparison / high order shops is 44 compared to 10 venience / low order shops is 13 compared to 1	as follows:		[0]
		Serv	vices is 18 compared to 3			[3]
(c)	(i)	Do n Be p Acce talk	k in pairs, not alone not block pavement / entrance to shops polite to interviewees / thank them ept that some people won't want to answer question	-		to
		sam Cho	a range of people / get a representative sample of a ple / ask every 10 <sup>th</sup> person ose a time when there are plenty of people shopping ain what survey is about	g	et a random 3 @ 1	[3]
	(ii)		ck that the questions can be understood / test quest lems/ check sample size	tionnaire / find c	out if any	
		Opp	ortunity to change questions / alternative answers / n confidence in asking questions / practice / gain exp		nents 2 @ 1	[2]
(d)	(i)	wide	npletion of pie graph for CBD: e range of shops = 51%, value for money = 11% ark for dividing line; 1 mark for shading			
		lf pe	rcentages are 'wrong way' round credit correct shad	ding = 1 mark		[2]
	(ii)		pletion of bar graph for Retail park & drink = 30%: furniture / electrical goods = 26%		2 @ 1	[2]
	(iii)	reas If an Attra Espe Attra	othesis is <b>true</b> / <b>correct</b> /shoppers are attracted to s ons – 1 mark reserve swer is Hypothesis is not true = 0 acted to CBD by large range of shops ecially go to CBD to buy clothes / jewellery acted to Retail park by good parking o Retail park to buy food / furniture / electrical goods			[4]
						r . 1

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(e) Investigation such as:

Where people travelled from to get to the shopping centres How often people visited the shopping centres How people travelled to get to the shopping centres How long people planned to spend in the two shopping centres Sphere of influence Times when people shop Who shops – gender / age / tourists or locals / social class / different standard of living How many people go to each shopping centre Compare prices

[Total: 30]

[2]