CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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0460 GEOGRAPHY

0460/41

Paper 4 (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.

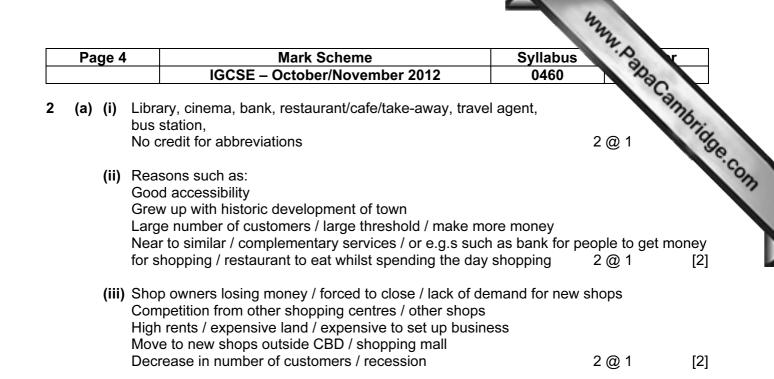
Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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.

				22	2
Pa	ge 2	2	Mark Scheme	Syllabus	S. Y
			IGCSE – October/November 2012	0460	200
(a)	Che Wo sup Let We rep Loc	eck cu ork in p pervisi t peopl ear wa pellent ok out	le know where you are going / take mobile phone terproof clothing / wellingtons / protective clothing	quitoes	/ insect
			daylight / not in dark of slippery rocks / sharp stones	3	@1 [;
(ii)	Dis	Rest Take Reco 1 ma & str	ge: accuracy of reading / digital reading / quicker , ntage: less accurate in low velocity / battery may g	e / ruler / measuring / simple to read go flat / expensive /	[{
(iii)	Put Tim finis Rep	t float ne hov shes peat te	length or specific length along river in river v long it takes float to travel the distance / use sto est t different points across river	opwatch to time whe	n it starts and [{
(iv)	Dis Allo =0.4	stance ow tim .45 m /	length of time = 110 / 5 = 22 (secs) (29 + 30 + 18 / time = 10(m) / 22 (secs) he figure calculated above if not 22 (secs) / sec (must be 2dp) need units t for carry forward of error in time figure	3 + 25 + 18)	[;

	3	Mark Scheme	Syllabus	a.	N. Contraction of the second s
		IGCSE – October/November 2012	0460	10g	
(c) (i)		0.6m deep at 2.0m & complete cross-section line de river channel		44444, Panace (1+1) 2@1	mbride
(ii)	Con	nplete bar graphs – 0.7 in middle, 0.77 on outside		2 @ 1	36
(d) (i)	with Nee On with	straight section average velocity in middle is 0.53 m/sec either 0.36 & 0.4 at sides or highest / biggest / fastest ed the highest statistic meander average velocity is 0.77 m/sec on outside ben either 0.7 & 0.66 in middle and inside bend or biggest not need units	at 0.53 m/sond, compare	ec	
		Hypothesis mark		2 @ 1	[2]
(ii)	Stro	eper water in middle of straight cross-section and on out onger current / greater velocity where river is deeper ause less friction with bed and banks / hitting the sides		of meander 2 @ 1	[2]
(iii	resu If ar On s On Boy	sults of boys' fieldwork do not support either hypothesis ults are opposite – 1 mark reserve newer is Hypothesis / girls' conclusion is supported = 0 straight section velocity is greater on left side / 0.77 left meander velocity is greater on the inside bend (left) / 0. s' results show little variation in velocity across river at make reference to straight & meander	& 0.71 mide	dle	
Do Inv Us	expe vestiga e flow	experiment on different days / month / season to compa riments at more sites along river ate another river /meter student checks to make sure measurements are accura			
	ouner	that depth measurement is to the bed not an isolated ro		3@1	[3]



(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

- (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]
- [2]

Page	e 5	Mark Scheme	Syllabus	No V	
		IGCSE – October/November 2012	0460	The second	
(High order: clothes, department store, electrical goods, fu jewellery, motoring goods, music/games/films, mobile pho sports, toys Low order: baker, butcher, chemist, food/drink, fruit & veg Newsagent	urniture, homo ones, photog getables,		bilde
		-		2 @ 1	[2]
(Hypothesis is true / correct / greater variety of shop & se - 1 mark reserve If answer is Hypothesis is not true = 0 Approximately 23 – 26 different types of shop / service in compared to 8 – 10 in retail park e.g. cinema in CBD but not in retail park (must have exan	CBD	D	
		1 mark maximum for correct pair of figures from Table 5 a Total in CBD is 82 compared with 14 in retail park Comparison / high order shops is 44 compared to 10 Convenience / low order shops is 13 compared to 1 Services is 18 compared to 3	as follows:		[3]
c) (Work in pairs, not alone Do not block pavement / entrance to shops Be polite to interviewees / thank them Accept that some people won't want to answer questions talk Ask a range of people / get a representative sample of ag			to
		sample / ask every 10 th person Choose a time when there are plenty of people shopping Explain what survey is about	je / gender / j	3 @ 1	[3]
(Check that the questions can be understood / test question problems/ check sample size Opportunity to change questions / alternative answers / m Gain confidence in asking questions / practice / gain expe	nake improve	-	[2]
) (b		Completion of pie graph for CBD: wide range of shops = 51%, value for money = 11% 1 mark for dividing line; 1 mark for shading			
		If percentages are 'wrong way' round credit correct shadi	ng = 1 mark		[2]
(Completion of bar graph for Retail park food & drink = 30%: furniture / electrical goods = 26%		2 @ 1	[2]
(Hypothesis is true / correct /shoppers are attracted to sh reasons – 1 mark reserve If answer is Hypothesis is not true = 0 Attracted to CBD by large range of shops Especially go to CBD to buy clothes / jewellery Attracted to Retail park by good parking Go to Retail park to buy food / furniture / electrical goods			И

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	IGCSE – October/November 2012	0460	122
(a) Investia:	tion such as:		in the
., .			76
Where n	onle travelled from to get to the shopping centre	20	
	eople travelled from to get to the shopping centre on people visited the shopping centres	es	Tido
How ofte	n people visited the shopping centres	es	Hade
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[Total: 30]