UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## WANN, PapaCambridge.com MARK SCHEME for the October/November 2011 question paper

## for the guidance of teachers

## 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.

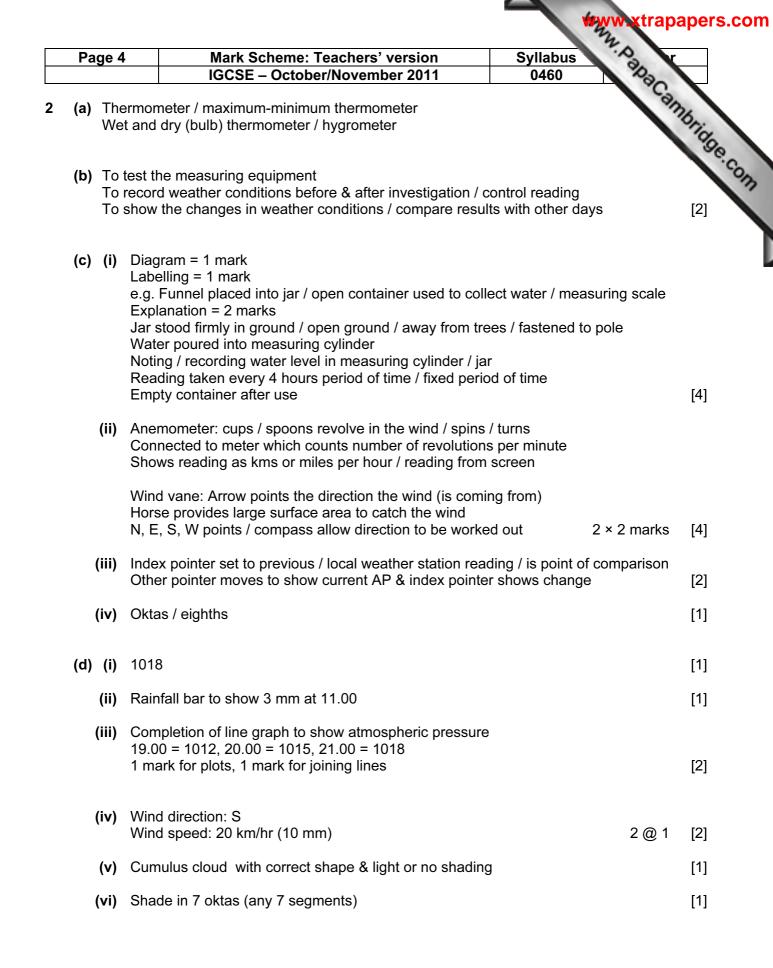
Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

Cambridge is publishing the mark schemes for the October / November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Page 2		Mark Scheme: Teachers' version Syllabus	
		IGCSE – October/November 2011	0460
(a) (i)	Area	served by a settlement or service	annb.
(ii)	Num Spec Spec Ease Sma	/ low order of services provided ber / variety of services provided / more services cialised services available cific functions of different settlements e of access to settlements / transport links ller centres means more competition parative examples of services with different sphere o	Syllabus 0460 of influence
(b) (i)	Q2:	Should only be asking students at school so superflue waste of time Too vague to get specific and consistent answers options Closed question, very specific answer / give options how travel to school / sometimes	s / too personal / should give
(ii)	Enou 10%	lit explanation. No mark for 'Yes' ugh responses to be able to test the hypotheses / to c of population is a representative sample te of time / no time to do more	compare / reliable [2
(iii)	Sele Sele 1 ma	registers / school data base to sample every tenth stu ct students from different class / year group / ages ct equal numbers of male / female students ark for naming sampling method – random, system pription	
(c) (i)	Insei	rt data (7) for Feng Tai into table – both tally and total	l for mark [1
(ii)	Insei	rt seven symbols into Tong Zhou	[1
(iii)	Shac	de Xi Cheng (15 – 19 category)	[1
(iv)	Shov Easy Can Easy	ogram: ws individual detail of numbers / exact number v to read off individual numbers / easy to count / ident see overall pattern of distribution v to compare numbers v to understand / clear / simple / detailed / visual	tify exact number
	Shov Links Can	opleth map: ws overall pattern of distribution / compare areas s similar areas within a category / groups be used to compare large numbers r visual impact / shading categories in key	4 @ 1 [4

<ul> <li>(d) (i) Completion of table – 30% [1]</li> <li>(ii) Pie graph completion – bus and car 1 mark for dividing line 1 mark for dividing line 1 mark for shading [2]</li> <li>(iii) Larger percentage / most students travel to school by bus / 5% more travel by bus Only 31% travel by car / 39 out of 125 travel by car / 69% don't travel by car / more trave by other methods than car Almost as many (30%) travel by train First part of hypothesis is correct – there are 5 ways that students travel to school No credit just for percentage or figures without interpretation [3]</li> <li>(iv) Additional questions in questionnaire such as: How far is your home from school? / how far do you travel to school? How long does it usually take you to travel to school? / average time to travel to school Why do you use your named method of travel? Do you always use the same method of travel? Do you always use the same method of travel? / more than one method of travel Which route do you take to school? Do students travel alone or with others Could investigate if there is any relationship between where students live and the</li> </ul>	Page 3	Mark Scheme: Teachers' version	Syllabus
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Possibly linked to bus / train services		How far is your home from school? / how far do you trav How long does it usually take you to travel to school? / a Why do you use your named method of travel? Do you always use the same method of travel? / more th Which route do you take to school? Do students travel alone or with others Could investigate if there is any relationship betweer method of travel Possibly linked to bus / train services	average time to travel to school nan one method of travel n where students live and their
		Could Investigate links between gender / age & methods	[2] [Z] [Z]



Page 5		Mark Scheme: Teachers' version	Syllabus	Nr.
		IGCSE – October/November 2011	0460	
(e) (i)	pres e.g. AP a	atmospheric pressure decreases / low, rainfall i sure increases / high, rainfall decreases / low, / n AP at 1012 rainfall is 0/1 mm, AP 1022 rainfall is at 992 rainfall is 5 mm, 998 rainfall is 3 mm lit up to 2 marks for data (need mm)	egative / inverse relationship	ambridge.c.
	0.00			

Atmospheric pressure at 998 wind speed is 26 km/hr, OR Atmospheric pressure at 992 wind speed is 43 km/hr Allow tolerance of 1 on both sets of figures Credit up to 2 marks for data (need km/hour)

As atmospheric pressure falls winds change from SE to S to SW / towards west As atmospheric pressure rises winds change SW to S to SE / towards east

[Total: 30]

[4]