

## MARK SCHEME for the October/November 2013 series

## 0460 GEOGRAPHY

0460/21

Paper 2, 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.

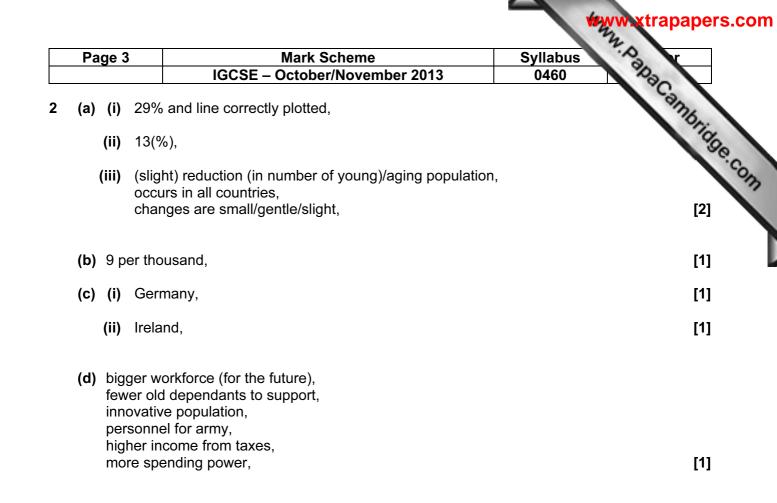
Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge will not enter into discussions about these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2013 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

Page 2		Mark Scheme	Syllabus Syllabus
		IGCSE – October/November 2013	0460 230
(a)	(i)	railway,	Phil
(	ii)	wide tarred,	Syllabus 0460 [1]
(i	ii)	track(s)/cut line(s),	[1]
(i	v)	canal/narrow gravel (road)/earth,	[1]
(	V)	airport/aerodrome landing area,	[1]
		More than one answer = 0.	
(b)	(i)	north east,	[1]
(	-	small rivers/streams, high drainage density/many rivers, tributaries/confluences/affluents, dendritic,	
		tributaries join at acute angles,	[3]
(c)	(i)	400m,	[1]
(	ii)	correct position of quarry (two options),	[1]
(d)	(i)	trigonometrical station,	[1]
(	ii)	629713,	[1]
(i	ii)	4600 – 4850 (metres),	[1]
(i	V)	171 – 173°,	[1]
(	v)	Chipoto by 79/79.1/80 (metres), (also allow 59/59.1/60	) metres) [1
(e)	(i)	gently sloping,	[1]
(	ii)	dam(s)/canal(s)/furrow(s), (reservoir, lake = 0)	[1]
(i	ii)	power line/33kV,	[1]
(i	v)	compounds/buildings,	[1]

## **PA CAMBRIDGE**



	Max.
Mark Scheme	Syllabus Syllabus

3	(a)	

Page 4

	IGC	CSE – October/N	November 2013	046	50 2	2
						Can
		Photograph A	Photograph B	Photograph C	None of the photographs	Cambridge.com
high class residential z	zone		~			OTH
industrial zo	one				1	
CBD				1		L
squatter (informal or shanty) area		1				

[4]

[4]

(b) single storey,

small,

flat/gentle roofs, no/few windows, metal/corrugated sheeting/old/recycled/improvised materials/scrap, in compounds/fenced area, weights/tyres on roofs, chimney out of side, detached/separate buildings, painted/colours,

4 (a) A narrower/B wider, Allow A smaller/B larger if neither of the A shorter/B taller, first two points is made. Also allow pairs of figures.

A steeper/B gentler,

Or emphasis on B

- A concave but B straight slopes,
- A lava and ash but B just lava/B doesn't have ash,
- A two vents/parasitic/secondary cone but B one vent,
- A no/narrow crater but B broad crater,

[5] Allow the last two lines without terms or terms used interchanged if clear.

(b) A more viscous lava/runs slower, A possibly more silicic lava/A acid B basic, A andesite/rhyolite B basalt, A lava at lower temperature, A more explosive, A lava solidifies more quickly/cools more quickly, A lava doesn't flow as far, A less volume of lava/magma, A has blockages,

[3]

Page	5 Mark Scheme	Syllabus r
Ŭ	IGCSE – October/November 2013	0460
(a) (i	) wave-cut platform,	Syllabus 0460 Interview Communication (1)
(ii	) stack,	135
(iii	) cliff,	[1]
(iv	) beach,	[1]
w hy w ca	eadland, ave/sea erosion, ydraulic action/abrasion, eakness in rock/cliff, ave(s)/notch(es) eroded/formed, aves join/arch formed, rch collapses,	[4]
	rgest segment 96 – 99° = 2, rgest segment 94 – 101° = 1,	
ke	ey correct = 1,	
М	larked independently.	[3]
(b) (i	) reduce/cause lung problems, (allow heart problems)	[1]
(ii	SO <sup>2</sup> causes acid rain, O <sub>3</sub> /NO <sub>x</sub> cause (photochemical) smog,	[2]
fu al er al jo	nanges may be costly (for owners/government), lel suppliers affected, lternative sources of fuel may not be available, nergy prices may rise, lternatives less effective/produce less energy/have speci b losses, cal economy suffers,	fic problem, <b>[2]</b>