

## **Cambridge International Examinations**

Cambridge International General Certificate of Secondary Education

GEOGRAPHY
Paper 2
MARK SCHEME
Maximum Mark: 60

Published

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 May/June 2016 series for most Cambridge IGCSE<sup>®</sup>, Cambridge International A and AS Level components and some Cambridge O Level components.

® IGCSE is the registered trademark of Cambridge International Examinations.

This syllabus is approved for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.



Syllabus

Paper

	ugo 2	Cambridge IGCSE – May/June 2016	0460	23
1	(a) (i)	triangulation pillar,		[1]
	(ii)	mast,		[1]
	(iii)	youth hostel,		[1]
	(iv)	Leam Hall,		[1]
	(v)	non-coniferous (wood),		[1]
	(vi)	primary route,		[1]
	(b) (i)	road at 33 to 36mm from the western edge of the section,		[1]
	(ii)	boundary at 90 to 93mm,		[1]
	(iii)	river at 26 to 29 mm,		
		Use the ruler device to measure the answers.  Arrows should end within about 1cm of the profile.  Measure to the point the arrow projects to.  There should be no ambiguity.  If there is more than one response and one is wrong, or if a range is given and part is out of tolerance, then the answer = 0.  Allow labels by names or question numbers.	S	[1]
	mu par you	l/(selected) place of tourist interest, seum, king, uth hostel, ephone,		[2]
	(d) tun cut	nel, ting,		[2]
	(e) (i)	allow 3700 to 3800,		[1]
	(ii)	allow 173° to 176°,		[1]
	(iii)	180755/6,		[1]

**Mark Scheme** 

Page 2

[3]

[2]

Page 3		Syllabus	Paper
	Cambridge IGCSE – May/June 2016	0460	23
(f)	hilly/high/upland, steep, cliff, plateau/high(est) land/centre/1973 gently sloping/flat, (highest point) 395m, valley(s) spur(s), ridge,		
	river in W/SW/1772, small river/stream/tributary, low drainage density/little (surface) drainage/dry/only one river, meander,		
	Reserve one mark for each part.		[4
(a)	narrow/small leaves, thorns/spikes, few leaves/more wood than leaf, branch from base,		
	prevent browsing/being eaten (to conserve water), reduce transpiration, shade root area/reduce evaporation from the soil,		[4
(b)	<ul> <li>(i) sand is loose/unstable/poor soil structure/soil moves, roots become exposed/plant is not anchored, sand can bury plants, sand does not retain water/dry (allow various expressions), sand lacks nutrients/infertile,</li> </ul>		[2
	(ii) sparse/scattered/bare ground, trees, bushes/scrub/shrubs/grass, various sizes,		[2
(a)	east/south east/north east,		[
(b)	low population density/fewer than 100 per km², city/Karachi high density/1000 people or more per km²,		r

(c) low(er) population densities on high(er) land/high(er) population densities on low(er) land/the higher the land the lower the population density/negative relationship, = 1

Award a second mark for the correct use of one figure using the following:.

low land/less than 300m,

for low density accept less than 100 per km² for high density allow any figure over 250 per km² for low land accept any figure less than 3000m

for high land accept 3000m and over = 1

Pa	age 4	4	Mark Scheme Syllabus	Paper
			Cambridge IGCSE – May/June 2016 0460	23
	(d)	(qu hig	letta uite) high population on (quite) high land/1000–2999m, ph population in an area of low population, ph population in the west,	
		lov	egion X v population on low land/below 300m,	
			v population in an area of high population, v population in the east,	[2]
4	(a)	(i)	Espanola and San Cristobal (both needed),	[1]
		(ii)	in the south east/east,	[1]
		(iii)	>1/5/multiple/more cones/volcanoes, bigger than the other islands, more irregularly shaped/not circular/oval,	
			Comparison not needed.	[2]
	(b)	(i)		ro1
			3 = Santiago/Fernandina,	[2]
		(ii)	north west to south east,	[1]
		(iii)	it is far from the rising magma/not over the rising magma/far from plate boundary/moved away from plate boundary,	[1]
5	(a)		naller segment 107°–111°, th segments correctly shaded,	[2]
	(b)	(i)	crew/guides for excursions from the ship/restaurant staff/waiters/cabin stewards etc.	s, [1]
		(ii)	retail/museum staff/café/restaurant staff/taxi drivers/coach drivers/hotel staff/div schools/kayaking organisers, etc.	ring [1]
	(c)	(i)	litter, noise, animals may not reproduce, destruction of habitats, oil spills from boats pollute water, trampling can harm vegetation/cause soil erosion, construction causes damage to vegetation, distortion of culture, etc.	[2]

(ii) small groups/limit numbers, conservation areas/restricted/prohibited access areas,

Page 5	Mark Scheme	Syllabus	Paper
	Cambridge IGCSE – May/June 2016	0460	23

local people are employed whenever possible, local produce used in catering, hotel waste water managed using natural purification method, solar panels generate electricity for hotels, biodegradable shampoos/soaps/detergents used, wooden boardwalks prevent soil erosion, hotels/lodges made from local building materials, education, laws/rules specified, signage specified, stop hunting, rangers, etc. (a) (i) steep, soil erosion, thin/rocky soils, cannot use machinery,

vegetation needs removing, inaccessible/no roads, rapid runoff (therefore soil dry),

[2]

[2]

(ii) either:

grass strips/terraces/contour ploughing, soil erosion,

or:

fallow/left uncultivated. soil exhaustion,

[2]

- (b) (i) shortage of rainfall,
  - (ii) rotates/moves around fixed end, sprinkles water from holes/irrigates,

[1]

(iii) green circles/crop growth in circles/circular fields,

[2] [1]