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CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the October/November 2012 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 2012 series for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level components and some Ordinary Level components.

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Page 2)	Mark Scheme IGCSE – October/November 2012	Syllabus 0460	1
1	(a) (i)	narro	ow tarred/Old Road,	Syllabus 0460	anh
	(ii)	aero	odrome landing area/airport/airstrip,	`	Tide
	(iii)	spot	height,		[1]
	(iv)	quar	rry/excavation,		[1]
	(v)	mini	ng/prospecting trench,		
		In (a	n) if more than one answer is given and one is wrong	g then the answer = 0.	[1]
	(b) (i)	north	h to south,		[1]
	(ii)	angl dend build high	ower in north/wider in south, e of tributaries/confluences, dritic pattern, d up of water behind dam, er land in north, ours make V shape upstream,		[2]
	(iii)	3350	0 – 3450 (metres),		[1]
	(iv)	9864	495,		[1]
	(c) (i)	corre	ect position of Chantalitiki river: 89 – 92cm from left,		[1]
	(ii)	corre	ect position of wide tarred road: 34 – 38cm from left	,	[1]
	(iii)	corre	ect position of building: 26 – 29cm from left,		
		Arro proje	the ruler device to measure the answers. ws should end within about 1cm of the profile. Me ects to. re should be no ambiguity.	asure to the point that the	e arrow
		If the	ere is more than one response and one is wrong the wall labels by names or question numbers.	en the answer = 0.	[1]

(d) huts and buildings,

sparse/isolated/dispersed/scattered (allow sparse population but not low population), some nucleation/clusters,

tracks/cut lines/game trails,

one "other" road,

no tarred roads,

network/many junctions/interlinked,

rivers/watercourses, pans,

Reserve one for each category

www.PapaCambridge.com Syllabus 0460 Page 3 Mark Scheme IGCSE – October/November 2012

(e) west gentle,) west gentler/east steeper east steep,) = 1 west lower/east higher, 620m/over 620m in east, 520 - 540m in west, plateau in west,

			2.
Page 4	Mark Scheme	Syllabus	.0
	IGCSE – October/November 2012	0460	73-

2 (a) 5,

- (b) (i) E mostly within intensity 8 area or adjacent ocean,
 - (ii) any area within intensity 6 area shaded,

(iii) concentric pattern,
highest in centre/effects get less further from epicentre,
centred near San Francisco,
some variations in pattern/not even/not regular,
isolated area of intensity 4 within intensity 3 area,

[2]

(iv) variation in rocks/geology, variation in building type, variation in relief leading to landslides, variation in soil type/regolith,

(c) powerful/strong earthquake/buildings collapsed, many years ago therefore poor building design, many years ago therefore poor relief available, many years ago therefore no warning systems, many years ago therefore no earthquake drills, many years ago therefore no planning regulations,

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[1]

[2]

					my			
	Pa	ge 5	,	Mark Scheme	Syllabus	r		
				IGCSE – October/November 2012	0460			
3	(a)	Ige 5 Mark Scheme Syllabus IGCSE – October/November 2012 Double Roof insulation, prevent instruments from overheating, Slats/louvres						
		allo sto	o win	<u>vres</u> to circulate, d entering, nstruments from overheating,				
		refl	ect su	white un's rays, nstruments from overheating,				
		sta	ndard	above ground lise with other weather stations, ating/cooling from ground surface,				
		sta	e hea	<u>s</u> lise with other weather stations, t reflection, ating/cooling from ground surface,				
		2 explanation points per feature.						
	(b)	(i)	14°0	C and 22°C,		[1]		
		(ii)	8°C,					
				and (ii) if units not given max 1. of correct units once validates the rest.		[1]		

[2]

(iii) 40, %,

Mark independently.

Carry forward errors from (i) and (ii).

Page 6	Mark Scheme	Syllabus	.0	V
	IGCSE – October/November 2012	0460	100	
				_

4 (a) secondary, tertiary, primary,

(b) (i) quarrying/mining,

[1]

(ii) Advantages

jobs,

raw material,

boost to (local) economy/multiplier effect/economic impact (on area),

Disadvantages

eyesore/visual pollution, danger specified, loss of agricultural land, noise from machinery/blasting/trucks, dust, increased road traffic, locals may need to be relocated, biodiversity/ habitats lost, water contamination,

Reserve one mark for each.

[4]

Page 7			Mark Scheme	Syllabus	· 0
			IGCSE – October/November 2012	0460	No.
5	(a) (i)	Tara Man	hland, ınaki, awatu-Wanganui, erbury,		PapaCambride
	(ii)	Wes	t Coast,		[1]
	(iii)	Haw	ke's Bay shaded with cross hatches,		[1]
	(iv)	90 0	00,		[1]
	lowe med lowe den spa	(er)/s dium/ /fairly isest rsest	ensities low, parse(r) in west, high <u>er</u> /dens <u>er</u> in east, low density in north/south, in Canterbury/central-east, in West Coast/central-west, erical value with units to illustrate any of the above	points,	
	Figu	ures a	alone = 0		[3]

[1]

(c) wetter areas sparser/drier areas denser,

Page 8	Mark Scheme	Syllabus	.0	1
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6 (a)
$$49 - 52^{\circ} = 2$$
, $47 - 54^{\circ} = 1$,

(b) bar plotted accurately, key used correctly,

[2]

(c) bring unused land under cultivation,
greater % of GDP from agriculture,
less dependence on subsistence agriculture,
increased foreign exchange earnings,
environmental impact of air transport,
use land which could be used for food crops,
increase food imports,
increase soil erosion/desertification/deforestation/pollution from fertilizers or pesticides,

[4]