www.dynamicpapers.com

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

International General Certificate of Secondary Education

MARK SCHEME for the May/June 2010 question paper

for the guidance of teachers

0460 GEOGRAPHY

0460/21 Paper 21, 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.

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

CIE is publishing the mark schemes for the May/June 2010 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

UNIVERSITY of CAMBRIDGE
International Examinations

www.XtremePapers.net

www.dynamicpapers.com

1 **(a)** police station,
post office/provincial administrator,
fuel pump/petrol,
railway/station, MARK FIRST GIVEN
club,
reservoir/water supply,
golf course, [5]

(b) **(i)** angle of confluences,
build up of water behind dam,
higher in NE/1400 m in NE and 1300 m in SW, [2]

(ii) 50 m, [1]

(c) **(i)** 1320, 1340, 1360 and 1380 all labelled,

(ii) 5400–5800,

(iii) 97–100 m difference in height,
1 in 54–58 (if using 100 m),
Errors carried forward [4]

(d) **(i)** Mezi,

(ii) Zambazi,

(iii) bush correctly labelled, [3]
3 options: 0–5 mm
15–24 mm
58–103 mm
Allow any area within a correct option. Any outside the range spoils the mark.

(e) **(i)** 075/6523/4

(ii) between 180° and 225°, [2]

(f) lower,
gentle,
away from, [3]

© UCLES 2010

www.XtremePapers.net

www.dynamicpapers.com

2 **(a)** **(i)** wet and dry (bulb) thermometers/hygrometer, hydrometer = 0

(ii) anemometer,

(iii) maximum-minimum thermometer/Six's thermometer, [3]

(b) **(i)** correct position of mercury,

(ii) correct position of alcohol, [2]

(c) **(i)** 25°C,

(ii) 30°C,

(iii) 10°C,
°C once validates all three answers.
No °C max 2. [3]

3 **(a)** **(i)** stack correctly labelled (allow on Fig. 6),

(ii) wave-cut platform correctly labelled (don't allow on Fig. 6), [2]

(b) **(i)** headlands A and B correctly labelled,

(ii) arrow pointing WSW or W, [2]

(c) hydraulic action,
abrasion/corrasion,
solution/corrosion/dissolving, [2]

(d) A exposed to waves,
A being undercut,
A hard rock,
A more exposed to westerly winds,
B protected by road/sea defences,
B weathered/degraded,
B soft rock,
B more protected from westerly winds,

One point from each of A and B. [2]

© UCLES 2010

www.XtremePapers.net

www.dynamicpapers.com

4 **(a)** Photograph A
large plots/fields/large-scale,
storage buildings/barns,
houses/buildings clustered/terraced/at centre/nucleated,
ploughed fields,
fences,

extensive,
commercial/for selling/for profit, [4]

(b) Photograph B
small plots/fields small-scale,
strips,
bare ground/no crop,
terraced,
huts/small houses,
dispersed settlement,
line of trees as windbreak,

subsistence,
intensive, [4]

Allow marks to score under either heading.
No reserved marks.

© UCLES 2010

www.XtremePapers.net

www.dynamicpapers.com

5 **(a)** Reserve one mark for each cell. [6]

A	B	C
	within housing area, bus route,	away from housing area, increased car use, main roads/road junction, not on bus route,
on a main road, (advantage) close to congested CBD, (disadvantage)		lower land prices <u>outside town</u>,
		increased/much car use/increased/much travel will increase pollution/carbon emissions,
low/positive impact in industrial area,		

(b) nature reserve,
ring road/by pass,
sewage farm,
airport,
golf course/country club,
race track,
park/theme park,
campsite,
zoo,
sports stadium,
walking trails,
any other recreational use, [2]

6 **(a)** appropriate choice of scales to fit area,
x and y axes correct way round,
both axes correctly labelled, ("thousands" needed but not "years")
number of immigrants in thousands on vertical axis,
9 or 10 points plotted correctly = 2,
7 or 8 points plotted correctly = 1,
points joined line/bars drawn,

If subdivisions on the scale are uneven, max 3 for points 2, 3 and 7. [6]

(b) fell from 1988 to 1994,
rose from 1994 to 2006,
fluctuated in later years,
overall decrease, [2]

© UCLES 2010

www.XtremePapers.net