



Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GEOGRAPHY

0460/21

Paper 2

October/November 2016

MARK SCHEME

Maximum Mark: 60

Published

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This document consists of **7** printed pages.



Page 2	Mark Scheme	Syllabus	Paper
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- 1 (a) (i)** mixed wood, [1]
- (ii)** 181 (metres), [1]
- (iii)** B/secondary/B5289, [1]
- (iv)** (current or former) place of worship with spire/minaret/dome, [1]
- (v)** Derwent,
- If more than one answer and one is wrong no credit given [1]
- (b)** 3 km², [1]
- (c) (i)** steep,
high/upland/mountain/hill/peak,
(highest point) 931 m,
lowest 70 – 90 m,
small/V-shaped valley(s),
many valleys,
spurs,
cliff,
saddle/col/pass, [4]
- (ii)** narrow/small/thin, [1]
- (iii)** radial/3 stated flow directions, [1]
- (d) (i)** 3750 – 4100 (metres), [1]
- (ii)** 270°, [1]
- (iii)** 26 3244, [1]
- (e) (i)** by pass/ring road/around settlement/avoids settlement,
north of settlement,
avoid congestion in settlement,
quick for through traffic,
no need to demolish buildings,
- Allow settlement/built-up area/town/Keswick throughout. [2]
- (ii)** avoids high/avoids steep/keeps flat/keeps gentle/keeps low,
avoids lake,
avoids marsh,
avoids flooding,
bridge point of river,
avoids wood/forest, [2]
- (iii)** cuttings and embankments, [1]

Page 3	Mark Scheme	Syllabus	Paper
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- 2 (a) (i)** Kenya,
Tanzania,
Uganda,
South Africa,
Madagascar,
- 2 countries = 1 mark. [1]
- (ii)** some go direct/first time migrants,
some (later migrations) via Fiji, [2]
- (iii)** UK, [1]
- (b) (i)** Bangladesh, [1]
- (ii)** Pakistan, [1]
- (iii)** increased, (allow for one country)
increased as a total and as a percentage of the UK population/increased by 2.5% and
1794 thousand,
increased from all three countries, [2]

Page 4	Mark Scheme	Syllabus	Paper
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- 3 (a) beach,
 pebbles/shingle/rocks/rocky/boulders (on beach),
 bay/bayhead,
 crescent/curved (beach),
 point/headland,
 rocks in water,
 cliffs/steep slopes,
 (cliff) not vertical/sloping,
 bare rock (on cliff), [5]
- (b) sandy beach,
 at low tide/exposed,
 sand dries out,
 onshore wind/wind from sea,
 wind blows sand inland/sand carried inland by wind/to Y, [3]

Page 5	Mark Scheme	Syllabus	Paper
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- 4 (a) (i)** grass/short vegetation/sparse vegetation/soft/flat/plain, [1]
- (ii)** sharp rim to measure from precise area,
enclosed collecting vessel to prevent evaporation,
deep funnel to prevent rain splashing out,
underground/buried to stop evaporation/for stability,
(30cm) above ground to prevent rain splashing in/for standardisation,
standard diameter, [3]
- (b) (i)** 10 °C and 18 °C, [1]
- (ii)** 8 °C, Error carried forward.
- Deduct one mark in (i) or (ii) if units not given once. [1]
- (iii)** 33, Error carried forward.
%, [2]

Page 6	Mark Scheme	Syllabus	Paper
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- 5 (a) (i)** 600km, [1]
- (ii)** (mostly) in west,) allow south west
 (mostly) in south,) if neither given
 close to border,
 none on coast,
 widespread,
 more than one/three/group around Poznan, [3]
- (b) (i)** smaller sector $20 - 23^\circ = 2$,
 smaller sector $18 - 25^\circ = 1$, [2]
- (ii)** 7, [1]
- (iii)** 30/36(%), [1]

Page 7	Mark Scheme	Syllabus	Paper
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- 6 (a) desert margins,
both tropical and non-tropical,
north/Mediterranean coast,
Sahel/belt across tropical north Africa/10 – 20°N/belt south of Sahara,
area in SW Africa,
southern Madagascar, [2]
- (b) (i) produce meat/milk/food for growing population/refugees,
dung fertiliser for poor soils/to improve soils,

overgrazing/removal of vegetation by animals,
soil erosion,
trampling/compacting, [2]
- (ii) fuel for heating/cooking for growing population/refugees,

exhaust/remove vegetation/deforestation/less wood,
vegetation will not regenerate in dry climate/poor soils,
smoke a health risk for local people, [2]
- (iii) produce food for growing population/refugees,

overcropping,
soil erosion,
use up soil moisture,
soil exhaustion/loss of fertility,

One positive and one negative in each case. [2]