GradeMax

Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GEOGRAPHY **0460/22**

Paper 2 **May/June 2017**

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 2017 series for most Cambridge IGCSE®, Cambridge International A and AS Level and Cambridge Pre-U components, and some Cambridge O Level components.

® IGCSE is a registered trademark.

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

© UCLES 2017

GradeMax

Question	Answer	Marks
1(a)(i)	State / county road	**1**
1(a)(ii)	power line	**1**
1(a)(iii)	camp site	**1**
1(a)(iv)	marsh	**1**
1(a)(v)	Quarry / gravel pit	**1**
1(b)(i)	3 km^2	**1**
1(b)(ii)	2225 m	**1**
1(c)(i)	Delta / braided / islands / distributaries / bars, Mark best answer given unless contradicted.	**1**
1(c)(ii)	arrow showing flow to south west	**1**
1(d)(i)	600 m	**1**
1(d)(ii)	on low(er) / 77–200 m / in valley / avoids high(er), on gentle(r) / flat(ter) / avoids steep(er), lakeside / near lake / around lake, near settlement / houses / roads / farms, area in SE / next to quarry / Nordheim / Nedra / Øvre Lemme,	**3**
1(e)(i)	High / mountainous, 1410 m, lowest 60–80 m, high(er) in NW / high(er) away from lake / low(er) in SE / low(er) next to lake, steep, gentle(r) / flat(ter) at bottom / near lake, gentle(r) / flatter at top / in NW, valley side, (small) valleys, Ridge / spur, Don't allow points clearly linked to the area east of the lake.	**4**
1(e)(ii)	small rivers / small streams, high drainage density / many rivers / many streams / many tributaries, straight, flow south east / to lake, steep gradient, small lakes,	**3**

© UCLES 2017

GradeMax

Question	Answer	Marks
2(a)	Correct plot of 5.0 in 2011 and 2012 with lines drawn correctly,	**1**
2(b)(i)	2000 and 2006 fall-rise-fall / little change / (fairly) steady / fluctuates / overall decrease / small decrease, 2006 and 2007 increase, 2007–2010 decrease, Must stress change.	**3**
2(c)(ii)	BR increased and DR decreased / high BR and low DR,	**1**
2(c)	3.00–3.09 (carry errors forward from BR – DR) per thousand, or 0.30–0.39 (carry errors forward from BR – DR) %,	**2**
2(d)	migration is also a factor	**1**

© UCLES 2017

GradeMax

Question	Answer	Marks
3(a)	gentle slope / flatter, foot of hill / low ground / hill behind / next to hill / next to steep slope, X lower / Y higher, dry (site),	**2**
3(b)	Area X small houses, single storey, in rows / lines, spaces between / less dense / more dispersed / gardens / yards, road(s), houses have common design / uniform, electricity poles / power lines etc., variety of colours / colourful / two named colours, street lights, sloping / ridged roofs, trees, Area Y small houses, (Allow only if not given for X) huts / shacks / slum / shanty / squatter, no services / electricity / roads, dense / more dense / clustered /no spaces, irregular pattern / randomly arranged / less orderly, Either area Allow one additional mark for a comparison of size between the areas, i.e. smaller in Y / larger in X. Reserve 2 marks for each area.	**6**

© UCLES 2017

GradeMax

Question	Answer	Marks
4(a)	in each continent / 3 named continents, on west side, on / near coast, 10°–35° (any figure between) / Tropic of Capricorn,	**2**
4(b)(i)	January warmer than July (comparison needed), January summer / July winter, (Allow any appropriate months)	**1**
4(b)(ii)	14–15 (°C),	**1**
4(b)(iii)	very low rainfall, hot summers with some rainfall	**2**
(c)	high pressure, descending air / stable air, cold ocean currents, offshore winds, rainshadow,	**2**

© UCLES 2017

GradeMax

Question	Answer	Marks
5(a)	<u>Cloud at X</u> Cumulus / cumulo-nimbus, Heaped / fluffy / cotton wool, domed tops / globular, dense / thick, <u>Cloud at Y</u> cirrus, high, thin wispy / feather-like / mares' tails / filaments, <u>Cloud at Z</u> Stratus / alto-stratus, Layer / sheet, uniform, Reserve 1 for each of X, Y and Z.	**5**
5(b)	moist air, rises, front / convection / relief, cooling, expansion, dew point temperature reached, relative humidity 100% / saturation, *condensation / water (vapour) condenses / gas to liquid, (air condenses = 0), condensation nuclei, *Compulsory point.	**3**

© UCLES 2017

GradeMax

Question	Answer	Marks
6(a)(i)	5	**1**
6(a)(ii)	3	**1**
6(b)	Effects on the young person as follows: Go / migrate to live / work in another country, remittances, adopt different culture / traditions, listen to other music / wear other fashions, learn / speak English / international / another language, specific effect of / be concerned about global warming / rising sea levels e.g. global warming linked to flooding or food shortages, specific effect of air pollution e.g. poor health, specific benefit from international aid / help, find work in a newly developed / manufacturing industry / factory / TNC, develop new skills, be paid low wages / have poor working conditions / rights, become more wealthy / improved living standards / quality of life / higher pay Take the points in the mark scheme independently. No specific reference to a young person is necessary but the points must be relevant to young person.	**6**

© UCLES 2017