



GEOGRAPHY

0460/22

Paper 2

March 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 March 2017 series for most Cambridge IGCSE[®], Cambridge International A and AS Level components and some Cambridge O Level components.

Question	Answer	Marks
1(a)(i)	1 km ² ,	1
1(b)(i)	10 m,	1
1(b)(ii)	land below 100 m,	1
1(c)(i)	(county) boundary,	1
1(c)(ii)	third class,	1
1(c)(iii)	316 103/4,	1
1(c)(iv)	25 <u>m</u> ,	1
1(c)(v)	D – E gentle, E – C steep,	2
1(d)(i)	6800–7300 (m),	1
1(d)(ii)	1550–2050 (m), Error carried forward.	1
1(d)(iii)	north east then south east,	1
1(e)(i)	correct position of Lough Luirk 78–86 mm from left margin,	1
1(e)(ii)	summit 250–270m, Not ruler flat or sharply pointed. correct horizontal position of summit 45–52 mm from left margin,	2
1(f)	road junction/route centre, gentle slopes/flat, lowland/below 100 m, quay/harbour/port, visitor centre, earthwork/antiquity, coastal/mountain <u>scenery/to walk/climb</u> , tourism with evidence, services/police/post/school/chapel/church/parking, lake for water supply,	5

Question	Answer	Marks
2(a)	<p>high/over 1000 in north east/Bihar <u>and</u> West Bengal, high/501–1000 in 2 of Uttar Pradesh/Haryana/Punjab, high/501–1000 in south/Kerala <u>and</u> Tamil Nadu,</p> <p>low/<250 in centre/2 of Madhya Pradesh/Rajasthan/Chhattisgarh, low/<250 in north west/north/2 of Jammu and Kashmir/Uttarakhand/Himachal Pradesh, low/<250 in north east/2 of Manipur/Nagaland/Sikkim/Mizoram/Arunachal Pradesh/Meghalaya,</p> <p>medium/moderate/251 – 500 in centre/between low in centre and high in south/from coast to coast/ 2 of Goa/Maharashtra/Karnataka/Andhra Pradesh/Gujarat/Orissa,</p> <p>One correct use of units justifies the rest.</p>	4
2(b)(i)	Arunachal Pradesh,	1
2(b)(ii)	Nagaland,	1
2(c)(i)	low(er) increase,	1
2(c)(ii)	varies from state to state, some high and some low increases,	1

Question	Answer	Marks
3(a)	<p>low(er) land, in valley, gentle(er)/flat land, easier to build (development), surrounded by/avoids highland/mountains/steep slopes/between hills, mountains provide shelter,</p>	4
3(b)	<p>farming/crops/arable/cultivation, fields/boundaries/plots, scrub/bush/open/grass/natural vegetation/unused <u>further away/higher land</u>, trees in town/in lowland,</p>	3
3(c)	dam/reservoir/lake/pond/water-body,	1

Question	Answer	Marks
4(a)	A headland, B stack, C spit, D bay,	4
4(b)	Z,	1
4(c)	warm/18–30°C, shallow, clear/no sediment, (normal) salinity, oxygenated/waves, light, no pollution/clean,	3

Question	Answer	Marks
5(a)	correct plot of 5mm, correct plot of 19 °C,	2
5(b)	23 °C,	1
5(c)	Fig. 8 – hottest/summer in January/December, coldest/winter in June/July,	1
5(d)	Fig. 7 hotter/Fig. 8 colder, Fig. 7 36 °C and Fig. 8 26 °C,	1
5(e)	high pressure, descending air, stable air, offshore winds/blow out, cold ocean currents, rainshadow, large distance from sea, evaporation before rain reaches ground,	3

Question	Answer	Marks
6(a)	B solar, C wind,	2
6(b)	<p><u>For</u> power/electricity <u>for nearby settlements/local people/available</u>, cheap power, jobs/income, development of infrastructure e.g. roads, no pollution,</p> <p>land in C not in use, C uninhabited so no impact on population,</p>	3
	<p><u>Against</u> visual pollution/ugly, covers a large area, other land use possible, e.g. agriculture/housing, may affect wildlife, little/variable power,</p> <p>C noise,</p>	3