Cambridge International Examinations
Cambridge International General Certificate of Secondary Education

GEOGRAPHY **0460/21**

Paper 2 **May/June 2017**

MARK SCHEME

Maximum Mark: 60

Published

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GradeMax

Question	Answer	Marks
1(a)(i)	Railway	**1**
1(a)(ii)	power line	**1**
1(a)(iii)	sports ground	**1**
1(a)(iv)	Vosso	**1**
1(b)	near lake / on lakeside, on river, gentle(r) slope / flat, low(er) ground / valley, road junction / route centre, valley confluence, river confluence, railway junction,	**4**
1(c)	Hill / mountain / high, 654m, steep slopes, convex / gentle(r) upper slopes, deep valley, small valleys, steeper in N/W / gentler in S/E,	**4**
1(d)(i)	Forest	**1**
1(d)(ii)	Cultivation	**1**
1(d)(iii)	private road	**1**
1(e)(i)	3050m	**1**
1(e)(ii)	along valley side / along side of a slope, gentle gradient / keeps as level as possible / (about) 300m, avoids steep slope (lower in valley), descends to X, hairpins (etc.), goes NW / NNW, through cultivation and forest, past houses and farms, road junction(s) (not X), crosses stream(s) / river(s),	**4**

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Question	Answer	Marks
2(a)(i)	6	**1**
2(a)(ii)	inverse relationship, higher order = lower number / lower order = higher number, positive relationship higher order = larger distance apart / lower order = smaller distance apart, For high and low order allow two named settlement types for each.	**2**
2(b)	circle to include at least two neighbouring hamlets / villages but no towns,	**1**
2(c)	road junction / focus / route centre, accessible, no other towns in the area, large sphere of influence,	**2**
2(d)	2 4 5 1 3 All 5 correct = 2 3/4 correct = 1	**2**

Question	Answer	Marks
3(a)(i)	two converging arrows	**1**
3(a)(ii)	X	**1**
3(a)(iii)	on islands, to west of plate boundary, in a line / on north-south line, near / in South China Sea, on subduction zone,	**2**
3(b)	roads destroyed / damaged, settlements / villages cut off, settlements / villages need to use boats for transport, settlements / villages destroyed / damaged, people evacuated, not all settlements / villages at risk,	**2**
3(c)	ash – burial / suffocation / collapse of buildings, volcanic bombs / large rocks – killed by force, pyroclastic flows – burning / killed by force / burial, lateral blast – killed by force, gases – poisoned / suffocated, post-eruption famine,	**2**

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Question	Answer	Marks
4(a)	Shrubs / bushes / scrub, (one) larger bush / small tree, No / few leaves, red leaves / red flowers, small leaves, bulbous / wide / thick trunk, thorns / spikes, flowers / yellow leaves,	**4**
4(b)	Hot / very hot / high / very high, 13 °C, 23 °C (error carried forward), Low / very low,	**4**

Question	Answer	Marks
5(a)(i)	safe from illness / death, cholera / diarrhoea / typhoid, children / old more susceptible, more able to work / develop the economy, less money spent on health care, Allow converse of points where relevant.	**2**
5(b)(i)	PNG	**1**
5(b)(ii)	rural less / urban more, Australia / MEDC no difference / both 100%, PNG big difference,	**2**
5(c)(i)	larger sector 74–77° and key correct	**1**
5(c)(ii)	agriculture the main use, PNG an anomaly (for agriculture / industry), industry the least use, Indonesia an anomaly (for industry),	**2**

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Question	Answer	Marks
6(a)(i)	large scale arable	**1**
6(a)(ii)	contour ploughing, water trapped in furrows, increased infiltration, less surface runoff, (planting) trees / shelter belts, blocks wind / reduces wind speed, wind cannot pick up soil, roots bind soil, 2 marks for each method.	**4**
6(b)(i)	produce more / increase profits / increase income,	**1**
6(b)(ii)	sell less / reduced profits / lose money, unable to compete with EU producers / more European sugar beet bought,	**1**
6(b)(iii)	reduced price of sugar / cheaper sugar,	**1**

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