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Cambridge International General Certificate of Secondary Education

MARK SCHEME for the October/November 2014 series

0460 GEOGRAPHY

0460/22 Paper 2, maximum raw mark 60

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1 (a) (i) post office/building **[1]**

(ii) bridge/railway bridge **[1]**

(iii) 1016 m **[1]**

(iv) 1000 m

In (iii) and (iv) use of units once is sufficient. If both (iii) and (iv) are correct but without units once allow one mark **[1]**

(v) gravel/earth **[1]**

(b) mine name
mine dump
mining/prospecting trench
reservoir(s)
power (line)/electricity
buildings/staff quarters **[4]**

(c) (i) 080811/2 **[1]**

(ii) 035 – 037° **[1]**

(iii) N.E./N.N.E. **[1]**

(d) (i) position of wide tarred road 37 – 40 mm from left hand margin **[1]**

(ii) position of power line 59 – 62 mm from left hand margin **[1]**

(iii) position of railway 71 – 74 mm from left hand margin **[1]**

Use the ruler device to measure the answers
Arrows should end within about 1cm of the profile. Measure to the point that the arrow projects to

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(e)

track, cut line or game trail			✓*	
dip tank	✓			
reservoir			✓*	
flat or gently sloping land			✓*	
drainage to the west	✓			

[5]

2 **(a)** A wind vane/weather vane
B anemometer, (allow spelling errors if meaning is clear)
C max(imum) – min(imum) thermometers/Six's thermometer

If more than one answer mark the first given **[3]**

(b) north (allow north west) **[1]**

(c) correct position of alcohol labelled (two possibilities)

The word "alcohol" is needed **[1]**

(d) **(i)** 5°C **[1]**

(ii) 17°C **[1]**

(iii) 15°C

In (i), (ii) and (iii) the use of the units once is sufficient **[1]**

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3 **(a)** tall trees
emergent
bare/branchless trunks
thin/slender/straight trunks
dense/crowded/thick
luxuriant/lush
variety/many types
canopy
broad/large leaves
palms
flowers/bright/orange, (allow bright/orange leaves)
bamboo/shorter trees/ferns/grass/bushes <u>in foreground</u> **[4]**

(b) 28(°C)
hot/quite hot
2(°C)
If hottest month is incorrect carry the error forward but if 2°C given ignore the answer for the hottest month
high/very high/wet/heavy **[4]**

4 **(a)** huts
small
some larger/different sizes
single storey
stilts/legs, (allow alternative phrases)
on slope/steep slope/hill/hillside
one/two/three/few windows
<u>gently</u> sloping roofs/overhanging roofs
white/pink/blue/grey/brown/colourful **[5]**

(b) **(i)** 7932 – 8962, (any figure within this tolerance) **[1]**

(ii) D
E
B
A
C

All correct = 2
3/4 in correct relative order = 1 **[2]**

5 **(a)** in south/south west
in east/south east/on (international) boundary/next to Congo/CAR
coastal
inland

Allow the phrase “near to” in points 2 and 3. **[2]**

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(b) (i) correct plot of Region 1 at 360 thousand ha and 400 thousand tonnes
Allow an unlabelled dot **[1]**

(ii) no relationship
possible/slight/tendency towards/weak inverse relationship **[1]**

(c) rainfall/drought/floods/soil moisture
hail
temperature/frost
sunshine/light intensity/length of days
relief
soils/soil erosion/soil fertility/land quality
pests/insects/pesticides
weeds/herbicides
diseases
amount of land available
animal damage/fencing

skill/knowledge/education
amount of labour
machinery/technology/tools/equipment
irrigation
manure/fertiliser
seeds/crop variety/crop type
capital/poverty
government policy
non-governmental organisations
fragmentation of holdings **[2]**

(d) Low or decreased yield
Little surplus to sell
No capital to invest
No fertiliser or improved seeds
Decreased soil fertility and yields

All correct = 2
1 correct = 1 **[2]**

6 (a) Burma
Laos
Thailand

Two correct for 1 mark **[1]**

(b) 4200 km but allow 3600 km as the question asked for an estimate **[1]**

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(c) water held back by dams
lower river flows/river shallower

sediment trapped (in dams)/less sediment carried by river
loss of soil fertility/less fertile land
decreasing yields
less water for irrigation/less water for farming

dams/lower flows a barrier to fish movement
fewer fish/fish die

dams/lower flows a barrier to navigation/transport
less trade/trade difficult

poorer diets/less food/hunger/less protein **[4]**

(d) river passes through different countries/two named countries/action of one country affects another country = 1

example of a possible conflict e.g. about irrigation water/drinking water/water supply (water should be specified and not just water) /navigation/fishing/pollution/illegal migration

This should be stated as a conflict and refer to two groups of people or two countries = 1 **[2]**

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