

CAMBRIDGE INTERNATIONAL EXAMINATIONS

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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Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

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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 in foreground [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
gently 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]