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Cambridge International General Certificate of Secondary Education

MARK SCHEME for the October/November 2014 series

0460 GEOGRAPHY

0460/21 Paper 2, maximum raw mark 60

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1 (a) (i) Vonko **[1]**

(ii) dip tank **[1]**

(iii) ruins/national monument/place of historical interest **[1]**

(iv) 942 metres **[1]**

(v) bush/track/trees/forest **[1]**

(vi) reservoir **[1]**

(b) the river is about 100 m wide
the river has many tributaries
the river flows towards the east
the river meanders **[4]**

(c) (i) linear **[1]**

(ii) along/next to roads/tracks (for transport)
on ridges
avoids rivers/flooding/bush
in/next to cultivated land
near springs/small rivers **[1]**

(iii) huts **[1]**

(d) (i) position of the Nkazhe river 52 – 58 mm from left hand margin **[1]**

(ii) position of south facing slope of Banbanika hill 36 – 48 mm from left hand margin **[1]**

(iii) position of a track (three options) 0 – 4/9 – 12/67 – 71 mm from left hand margin **[1]**

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

(e) (i) cultivation **[1]**

(ii) east **[1]**

(iii) 5 km **[1]**

(iv) 980 m **[1]**

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2 **(a)** mainly/mostly outward migration
to M.E.D.C.s/northern hemisphere countries
mostly/mainly/all east to west

China to U.S.A.
China to Italy/Europe/named European country
Afghanistan/Pakistan/India/South Asia/Philippines to U.A.E./Oman/Arabia/Middle East
India to U.K.
Philippines to China/Vietnam/South East Asia/other parts of Asia

For other sources and destinations not linked:
2 sources = max 1
2 destinations = max 1
Max 2 **[5]**

(b) **(i)** Canada 18/19 **[1]**

(ii) France 4.9 **[1]**

(iii) total is <u>much</u> bigger/<u>much</u> more people
total higher with 2 figures quoted **[1]**

3 **(a)** X plateau

Y interlocking spurs

Z V-shaped valley **[3]**

(b) small/narrow river/up to 10 m wide
meanders
islands/braiding/deposition in river
point bars/deposition on inside of bend
gentle gradient

steep slope located/(river) cliff
gentle(r) slope
slip off slope
<u>small</u>/<u>narrow</u> flood plain
winding <u>valley</u> (in distance)
tributary <u>valley</u> **[5]**

4 **(a)** in north/north east (of South America)
along/near(er) Equator
in centre of continent/inland
on east coast
more south of the Equator
to 10/11/12/13°S

"above and below" = 0 **[2]**

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(b) Arica larger/Iquitos lower
Arica 7°C Iquitos 1°C
Arica low
Iquitos very low **[2]**

(c) **(i)** high pressure
descending air
stable air
offshore winds
cold ocean current
rainshadow **[2]**

(ii) sun (almost) overhead all year
constant length of day and night
much cloud cover/cloudy **[2]**

5 **(a)** angles correctly plotted – smaller subdivision 114 -116°
correct use of key

Marked independently **[2]**

(b) **(i)** commercial for sale/market but subsistence for consumption, **[1]**

(ii) Intensive:
smaller farms/area
fewer machines
higher labour input (per hectare)
higher fertiliser input (per hectare)
greater output per hectare
higher capital input per hectare

Or emphasis on extensive or pairs of points (must be comparative element) **[1]**

(c) **(i)** fertile soil
flat/open land
fields more than 400 ha/large fields
low precipitation/450 mm **[1]**

(ii) fertiliser
government subsidies
(improved) seeds
research
machinery/harvesters **[1]**

(iii) Commercial:
exporter
research
large amount/increased use of fertiliser
better harvesters
mostly for sale/not consumption **[1]**

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(iv) Extensive:
large fields/more than 400 h
large farms/more than 5000 ha
no irrigation,

Intensive:
large amount/increased use of fertiliser **[1]**

6 **(a)** two correct subdivisions plotted
correct use of key **[2]**

(b) **(i)** Maritsa: close/closest to motorway
Parvomay: close/closest to main road **[1]**

(ii) Kuklen: close/closest to airport **[1]**

(iii) no difference: all have rail links **[1]**

(iv) Kuklen close/closest to urban areas/Plovdiv and Asenovgrad **[1]**

(v) Maritsa: largest site **[1]**

(vi) Kuklen: near(est) to resorts/(Rodopi) Mountains **[1]**

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