

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

CANDIDATE NAME			
 CENTRE NUMBER		CANDIDATE NUMBER	
GEOGRAPHY			0460/22
Paper 2		Oc	tober/November 2013
			1 hour 30 minutes
Candidates answer on the Question Paper.			
Additional Materia	ls: Ruler Protractor		

Additional Materials: Ruler Protractor Plain paper Calculator

1:50 000 Survey Map Extract is enclosed with this Question Paper.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name in the spaces provided. Write in dark blue or black pen. You may use a soft pencil for any diagrams, graphs or rough working. Do not use staples, paper clips, highlighters, glue or correction fluid. DO NOT WRITE ON ANY BARCODES.

Answer all questions.

The Insert contains Photographs A and B for Question 3, and Photographs C and D for Question 5.

The Survey Map Extract and the Insert are **not** required by the Examiner. Sketch maps and diagrams should be drawn whenever they serve to illustrate an answer.

At the end of the examination, fasten all your work securely together. The number of marks is given in brackets [] at the end of each question or part question.

For Exam	iner's Use
Q1	
Q2	
Q3	
Q4	
Q5	
Q6	
Total	

This document consists of 13 printed pages, 3 blank pages and 1 Insert.



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- 2
- 1 Study the map extract, which is for Hippo Valley, Zimbabwe. The scale is 1:50000.
 - (a) Fig. 1 shows some of the features in the north east part of the map extract. Study Fig. 1 and the map extract, and answer the questions opposite.





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Us	ing the map extract, identify the following features shown on Fig. 1:	Fo
(i)	feature A;	Exam Us
	[1]	
(ii)	the name of river B ;	
	[1]	
(iii)	the type of road at C ;	
	[1]	
(iv)	the name of the ruins at D ;	
	[1]	
(v)	feature E;	
	[1]	
(vi)	the land use in grid square F .	
(b) Fig	[1] J. 2 is a cross section from 500574 to 560574 (in the south of the map).	
600	p. 2 is a cross section from 500574 to 560574 (in the south of the map).	
600 tres 500 ove 400 ea 300 vel 200	2. 2 is a cross section from 500574 to 560574 (in the south of the map).	
600 tres 500 ove 400 ea 300 vel 200 100 0	2 is a cross section from 500574 to 560574 (in the south of the map).	
600 tres 500 ove 400 ea 300 vel 200 100 0	p. 2 is a cross section from 500574 to 560574 (in the south of the map).	
600 tres 500 ove 400 ea 300 vel 200 100 50	p. 2 is a cross section from 500574 to 560574 (in the south of the map). $\frac{1}{4}$ $\frac{1}{4}$	
600 tres 500 ove 400 ea 300 vel 200 100 50	p. 2 is a cross section from 500574 to 560574 (in the south of the map). $\frac{1}{1000} + \frac{1000}{1000} + 100$	
600 500 ove 400 ea 300 vel 200 100 0 50	p. 2 is a cross section from 500574 to 560574 (in the south of the map). $\begin{array}{c} $	
600 500 200 200 200 100 0 50 0 7 0 7	p. 2 is a cross section from 500574 to 560574 (in the south of the map). $\int_{0}^{0} \frac{1}{200} \int_{0}^{0} $	

[Turn over www.theallpapers.com

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(c) Study the relief and drainage in the area north of the Lundi River. In each of questions
 (i) - (v) tick the correct description of this area. Tick (✓) one box in each case.

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[1]

[1]

[1]

(i)	Description	Tick (✓)
	average height between 240 – 340 m	
	average height between 340 – 400 m	
	average height between 400 – 440 m	
	average height between 440 – 500 m	

Description	Tick (✓)
mostly flat	
mostly gentle slopes	
mostly steep slopes	
mostly cliffs	

(iii)

Description	Tick (✓)
main rivers flow west	
main rivers flow north	
main rivers flow east	
main rivers flow south	

Description	Tick (✓)
rivers have many waterfalls	
rivers have many rapids	
rivers have many tributaries	
rivers have many distributaries	

(v)

(iv)

Description	Tick (✓)
high drainage density	
low drainage density	
wide rivers	
much marsh or swamp	

[1]

[1]



(d) Fig. 3 shows the area of wide gravel roads (shown by solid red lines) in the centre of the map.

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[Total: 20 marks]





- (a) Find area X on Fig. 4. This area has a population density of 301 400 people per square kilometre. Using the key provided, add this information to Fig. 4. [1]
- (b) Describe the distribution of population shown on Fig. 4.

.....[3]

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Fig. 4 shows the distribution of population in China in people per square kilometre.

2



7

(c) Fig. 5 shows the variation in height above sea level in China.

.....[2] [Total: 8 marks]

Suggest reasons for the relationship that you have described in (c)(i).

.....

.....[2]

(ii)

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(a) The coast shown in Photograph A (Insert) has a tourist industry. Using evidence from 3 For Photograph A only, explain why a tourist industry has developed on this coast. Examiner's Use[3] (b) Photograph B (Insert) shows two coastal landforms, Y and Z, which have formed by deposition. Explain how each of these landforms was formed. Landform Y Landform Z[5] [Total: 8 marks]

4 Figs 6, 7, 8 and 9 are cross sections through four plate margins (plate boundaries). Directions of plate movement are shown by arrows.

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Fig. 9



(c) Fig. 10 is a map showing the world's plates, plate margins and plate movements. Six locations, A - F, are shown.





Fig. 10

For each of Figs 6, 7, 8 and 9 (opposite), identify its correct location, choosing from locations $\mathbf{A} - \mathbf{F}$ on Fig. 10. Use each letter once only

Letter

- Fig. 6
- Fig. 7
- Fig. 8
- Fig. 9

[4]

[Total: 8 marks]

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5

increase the food supply.

Photographs C and D (Insert) show an area where subsistence farmers are attempting to

- (a) (i) Which two of the descriptions in the table below apply to the farming system shown in Photograph C? Tick (\checkmark) two correct answers. Tick (✓) small scale pastoral large scale arable [2] (ii) Name **one** output of the farming system shown in Photograph C.[1] (b) Name two outputs of the farming system shown in Photograph D. 1 (c) Using evidence from Photographs C and D only, describe one problem of the physical environment which will affect the decisions of the farmers.[1] (d) Farmers in the area have chosen to carry out two types of farming, one shown in Photograph C and one shown in Photograph D. Suggest why they carry out both types of farming and not just one of them.
 -[2]

[Total: 8 marks]

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6 Carbon dioxide (CO₂) is a gas which occurs naturally but is also given out by vehicle exhausts, power stations, industrial processes and domestic heating. It has no direct health Examiner's effects but is one of the "greenhouse gases".

Fig. 11 shows carbon dioxide emissions for six countries between 1997 and 2007. Fig. 12 shows how carbon emissions changed over the same period.



	Tick (✓)
3.1 thousand million tonnes	
6.2 thousand million tonnes	
9.3 thousand million tonnes	
12.4 thousand million tonnes	

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Copyright Acknowledgements:

Question 3 Photographs A and B Question 5 Photographs C and D Question 6 Figs 11 and 12 David Kelly © UCLES. David Kelly © UCLES. © *Total Carbon Dioxide Emissions from the Consumption of Energy*; http://www.eia.gov/cfapps/ipdbproject/IEDIndex3.cfm?tid=90&pid=44&aid=8.

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