

Cambridge IGCSE[™]

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

015151799

GEOGRAPHY 0460/13

Paper 1 Geographia | Themes

May/June 2023

1 hour 45 minutes

You mut answ er on the quet ion paper.

You will need: Ine rt (enboe d)

Ruler

Cala lator Protrat or

INSTRUCTIONS

- Answ er three questions in total, one from eab stion.
- Ue a blak or dark blue pen. You may ue an HB penic I for any diagrams or graphs
- Write \mathbf{v} ur name, \mathbf{e} ntre number and a ndidate number in the box s at the top of the page.
- Write p ur answer to eab question in the p ae provided.
- Do not ue an eraa ble pen or o rret ion fluid.
- Do **not** write on any bar o des
- If additional p ae is needed, p u b ould us the lined pages at the end of this book et; the question number or numbers must be bearly b own.

INFORMATION

- The total mark for this paper is 75.
- The number of marks for eab question or part question is to own in brake ts [].
- The ine rt o ntains additional ree ure s referred to in the questions

Definitions

MEDCs - More Eo nomia Ily Deve loped Countries

LEDCs - Les Eo nomia lly Dew loped Countries

This dog ment has 32 pages Any blank pages are india ted.

2

Section A

Answ er one question from this est ion.

1	(a)		dy Fig. 1.1 (Ine rt), whib sows information about the ave rage annual rate of population nge between 2015 and 2020.											
		(i)	Ine rt the following words in the equation below to b ow how or rall population change is a la lated.											
			death rate											
			migration	migration										
			birth rate											
			= overall population change											
		(ii)	Using Fig. 1.1 only , put the following o untries in rank order ao rding to their are rage annual rate of population growth between 2015 and 2020.											
			Angola	India	Uk aine	USA								
			16		highes growth									
			2nd		Î									
			3rd											
			4th		lowes growth	[2]								
		(iii)	Describe the distribution	n of countries with an i	ncrease in population	n of between 4.1 to 5%.								

(iv)	Des ibe four problems that many people fae rapid.	in o untries where population growth is
	1	
	2	
	3	
	3	
	4	
		L V.

(b) Study Fig. 1.2, whib b ows two important fat ors whib influene birth rates and death rates





Fig. 1.2

(i)	Explain how the axi ilability of eduation an redue birth rates in a ountry.
	[3]
(ii)	Explain how improving ae s to good healtha re a n redue death rates in a o untry.
	[5]

(C)	For an example y u have studied, describe the positive impats of international migration on the destination and origin of untries of migrants
	Migration from to
	[7]

2	(a)		dy Fig. 2.1 (Ine rt), whith is a map is owing part of the Central Busines. District (CBD) of are, the a pital city of Zimbabwe (an LEDC in Afria.).
		(i)	Name an area of open p ae in the CBD of Harare.
			[1]
		(ii)	Identify from Fig. 2.1:
			the s reet whib is pedes rianise d
			a form of public trans ort whith some sthe CBD of Harare
		(iii)	Des ibe the s reet law ut in the area so own on Fig. 2.1.
		<i>(</i> 1.)	[3]
		(iv)	Des ibe and s gges reas ns for the loa tion of the hop ital whib is s own on Fig. 2.1.
			[4]

(b)		dy Figs 2.2 and 2.3 (Ine rt), whib are photographs take n in different parts of the CBD of are.
	(i)	Des ibe three differene s between the parts of the CBD b own in Figs 2.2 and 2.3.
		1
		2
		3
		[3]
	(ii)	Sugges reas ns why the shops and so rive s in the CBD of Harare has a large so here of influence .
		[5]

(c)	For a named urban area by u have studied, explain the a uses of traffic ongestion.
	Name of urban area
	[7]

10

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Section B

Answ er one quets ion from this es to ion.

3	(a)		dy Fig. 3.1 (Ine rt), whib is ows information about earthquake s between January and e 2019.
		(i)	What was the magnitude of the earthquake in Cos a Ria on 12 May 2019?
		(ii)	Identify the name of the o untry from Fig. 3.1 where the earthquak :
			a us d the mos deaths
			had the deepet for s[2]
		(iii)	Des ibe the dis ribution of earthquake s b own on Fig. 3.1.
			[3]
		(iv)	Des ibe the natural proes s whib a us earthquakes to our at one rative plate boundaries
			[4]

(b)	Study	Fig.	3.2,	а	C OS	e t	c ion	whib	b	ows	information	about	а	Ø	la	nic	eruption	or
	Whaka	ari (\	White	lb	and),	Nev	v Ze	aland i	n D	ee m	nber 2019.							

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Fig. 3.2

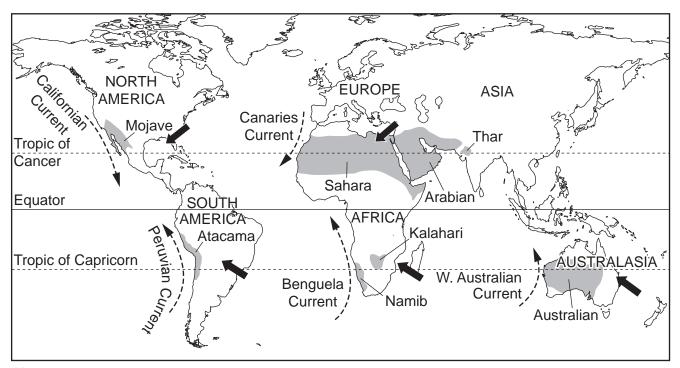
(i)	Using Fig. 3.2 only , identify three different hazerds a used by the eruption of the volume land on Whate ari.
	1
	2
	3[3]

(ii)	Explain the a uses of the eruption of the vola no on Whata ari.	
		r <i>r</i>

(c)	For a named example by u have studied, explain why people live to one to a by la no.
	Name of vola no
	[7]

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4 (a) Study Fig. 4.1, whib is a map b owing hot des rts



Key

hot deserts

prevailing winds

--- cold ocean currents

Fig. 4.1

(i)	Name the hot des rt whib on pies the larges area of land.
	[1]
(ii)	Des ibe two differene s between the loa tions of the Ataa ma Des rt and the Mojave Des rt.
	1
	2
	[2]

(iii)	Des ibe the global dis ribution of hot des rts	
		[3]
(iv)	Suggets why the o ld oe an o rrent and prevailing winds a use rainfall totals to be in the Atao ma Des rt.	low
	o ld oe an a rrents	
	prevailing winds	
		[4]

(b) Study Fig. 4.2, whib is a diagram b owing different cloud tp es

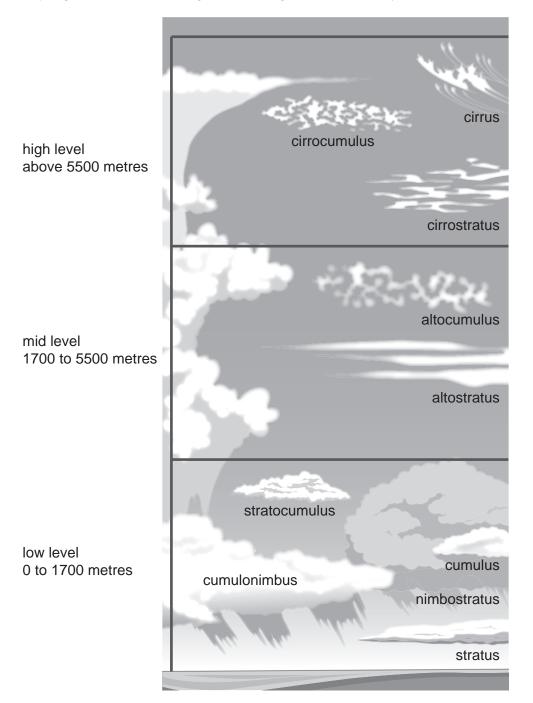


Fig. 4.2

(i)	Using Fig. 4.2 only, o mpare the b arat erit is of altot ratus and tirrus bouds	
		. [3
(ii)	Des ibe the proe s s whib res It in the daily formation of a mulonimbus bouds we result in heay rainfall in equatorial areas	hib
		. [5]

For a named area of hot desert whilb y u have t udied, des ibe and t lain the barat erits is of its t getation.
Name of dee rt

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Section C

Answ er one ques ion from this et ion.

5 (a) Study Fig. 5.1, whib is own information about the employenent is rub ure of Nigeria in 1990, 2005 and 2020, along with Figs 5.2, 5.3 and 5.4 (Ine rt), whib are photographs of works rs in Nigeria (an LEDC in Afria).

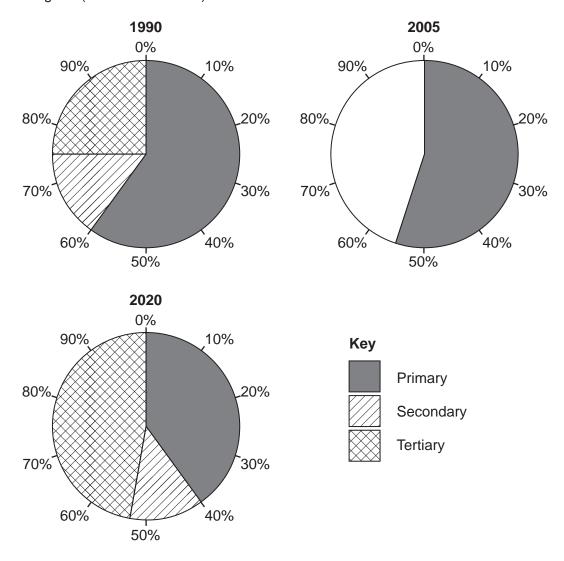


Fig. 5.1

(i) Insert the words below into the o rret p ae s to identify the e t ors of employn ent b own in Figs 5.2, 5.3 and 5.4.

Primary	Seo ndary	Tertiary			
Fig. 5.2					
Fig. 5.3					
Fig. 5.4			[1]		

(ii)	Complete Fig	g. 5.1 by plotting the following information for 2005:	
	Seo ndary	10%	
	Tertiary	35%	[2]
(iii)		ee b anges in the employn ent s rut ure of Nigeria between 1990 and atis is in your answer.	l 2020.
	1		
	2		
	3		
			[3]
(iv)	Explain the im as Nigeria.	nportane of jobs s b as that b own in Fig. 5.2 (Ine rt), to an LEDO	Cap
			[4]

(b) Study Fig. 5.5, while is a table to owing four development indicators for solet ed o untries in As a.

	Human Development Index (HDI)	energy us per pers n (kg oil equisa lent)	ae s to internet (% of total population)	malnourible ed boildren (% of total number of under 5-by ar-old)s
Bangladeb	0.632	201	15	31
China	0.761	1695	54	8
India	0.645	560	35	35
Indones a	0.718	850	40	30

Fig. 5.5

(i)	State three piee s of eiv dene from Fig. 5.5 that b ow that Indone's a is more developed than India.
	1
	2
	3
	[3]
(ii)	Des ibe the differene s between the Human Des lopment Index (HDI) and Gros National Product (GNP) per a pita as india tors of des lopment.
	[5]

		 	 	 •	
•••••		 	 •	 	
	•••••	 	 	 	

6 (a) Study Fig. 6.1, while is own information about the top es of energy use d for electricity generation in the different is ates of Auts ralia.

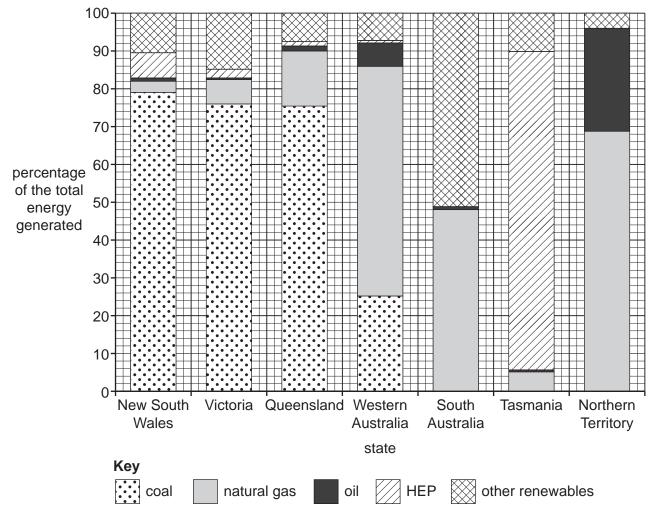


Fig. 6.1

(i)	Whib	Aus ralian s ate us	s the highet	pere	ntage of oil for elet ric ty generation?	
						[1]
						1 '

(ii) Using Fig. 6.1, put the fuels used for electricity generation in Western Australia in rank order of importane. One has been done for you.

1b	mos important	
2nd	†	
3rd other renewables		
4th	Į.	
5th	leats important	[2]

(iii)	in Queens and and Tash ania. Do not us satistis in your anso er.
	1
	2
	3
	[3]
(iv)	Sugges reas ns for the variation in importane of HEP and other renewable forms of energy in the different s ates of Aus ralia.
	[4]

(b) Study Fig. 6.2, whib b ows information about oil and natural gas in Aus ralia.

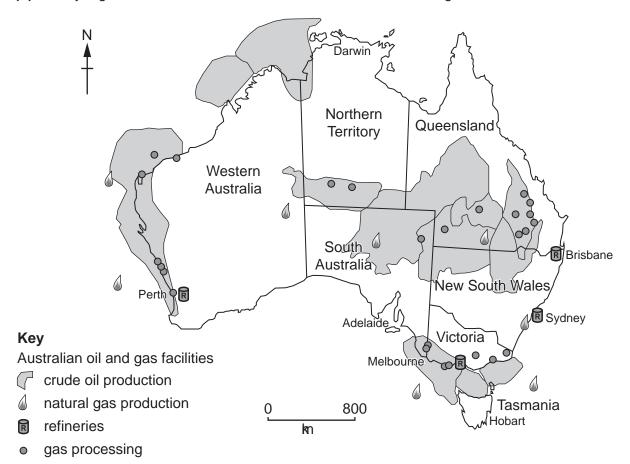


Fig. 6.2

Using Fig. 6.2 only , des ibe the dis ribution of c ude oil product ion in Aus ralia.
[3

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(i)

(ii)	Explain why many o untries are reducing their dependene on fois I fuels so b as oil and natural gas
	عا

(c)	For an example you have to udied, describe and explain the loation of a fatory or zone of manufat uring industry.
	Loa tion
	[7]

Additional pages

If you use the following pages to omplete the answer to any question, the question number must be be early sown.

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