

Cambridge IGCSE[™]

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

GEOGRAPHY 0460/12

Paper 1 Geographia | Themes

May/June 2022

1 hour 45 minutes

You mut answ er on the quets ion paper.

You will need: Ine rt (enboed)

Cala lator Ruler

INSTRUCTIONS

- Answ er three questions in total, one from eab stion.
- Use a blake or dark blue pen. You may use an HB penic I for any diagrams or graphs
- Write \(\psi \) ur name, \(\epsi \) ntre number and \(\alpha \) ndidate number in the box s at the top of the page.
- Write pour answer to eab question in the poae provided.
- Do **not** us an eras 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 res ure s referred to in the questions

Definitions

MEDCs – More Eo nomia Ily Dee loped Countries LEDCs – Les Eo nomia Ily Dee loped Countries

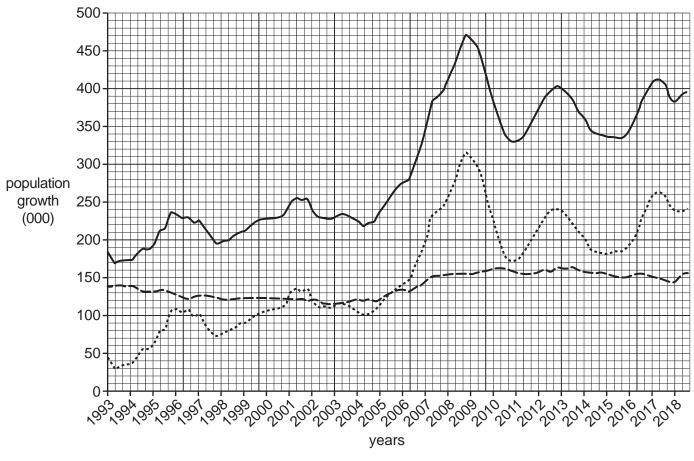
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Section A

Answer one question from this et ion.

1 (a) Study Fig. 1.1, whib b ows information about population growth in Aus ralia (an MEDC).



Key

—— natural increase

..... net international migration

---- total population growth

Fig. 1.1

(i)	In whib 😼 ar was total population growth the highes in Aus ralia?	
		[1]
(ii)	Identify from Fig. 1.1 a ş ar when:	
	 net international migration and natural inc eae were the a me amount 	
	 total population growth dec eae d. 	
		[2]

(iii)	Ep lain how the following are a la lated:
	natural inc eas
	net international migration
	total population growth.
	[3
(iv)	Using Fig. 1.1, o mpare natural inc ease and net international migration between 1993 and 2018. You sould refer to spars and use statistics in spars are unable er.

(b) Study Fig. 1.2, whib **b** ows information about population growth in The Gambia (an LEDC in Afria).

The Gambia has had a consistently high population growth rate of 4.2% for the last thirty years. 'The main reasons include polygamy, the fact that the use of contraceptives is not common and a general reduction in infant mortality rates.'

Since 1993 a family planning programme has attempted to increase the use of modern contraceptives and reproductive health services in The Gambia. An increase in the use of contraceptives has been achieved through community health nurses and information campaigns.

Fig. 1.2

(i)	Suggest three reas ns why the use of ontrae ptives is not ommon in The Gambia.
	1
	2
	3
	[3]
(ii)	Explain why it is difficent to reduce natural population growth rates in LEDCs so be as The Gambia, expending the use of ontrace ption has recently inc eased.
	[5]

(c)	For a named o untry by u have to udied, describe the problems a used by a high rate of population growth.
	Name of o untry
	[7]

2 (a) Study Fig. 2.1, while is own the results of a sure y is owing the world's ten bets and ten worts ic ties in while to lie.

The ten best cities to live in

country	city	overall rating (100 = ideal)	security	healthcare	environment	education	infrastructure
Aut ria	Vienna	99.1	100	100	96.3	100	100
Aut ralia	Melbourne	98.4	95	100	98.6	100	100
Aut ralia	Styl ney	98.1	95	100	97.2	100	100
Japan	Oa ka	97.7	100	100	93.5	100	96.4
Canada	Calgary	97.5	100	100	90	100	100
Canada	Vano ue r	97.3	95	100	100	100	92.9
Canada	Toronto	97.2	100	100	97.2	100	89.3
Japan	Tokø	97.2	100	100	94.4	100	92.9
Denmark	Copenhagen	96.8	95	95.8	95.4	100	100
Aut ralia	Adelaide	96.6	95	100	94.2	100	96.4

The ten worst cities to live in

country	city	overall rating (100 = ideal)	security	healthcare	environment	education	infrastructure
Venez ela	Carae s	46.9	35	33.3	56.3	66.7	53.6
Algeria	Algiers	44.1	50	45.8	45.4	50	30.4
Cameroon	Douala	44	60	25	48.4	33.3	42.9
Zimbabwe	Harare	42.6	40	20.8	58.6	66.7	35.7
Papua New Guinea	Port Moreb y	41	30	37.5	47	50	46.4
Pak ts an	Karab i	40.9	20	45.8	38.7	66.7	51.8
Libşa	Tripoli	40.4	35	41.7	40.3	50	41.1
Bangladeb	Dhala	39.2	55	29.2	40.5	41.7	26.8
Nigeria	Lagos	38.5	20	37.5	53.5	33.3	46.4
Sy ia	Damas us	30.7	20	29.2	40.5	33.3	32.1

Fig. 2.1

(i)	Name a o untry whib has three of the ten best it ties in whib to live.	[1]
(ii)	State two different to es of infrats rub ure in a city.	[,]
	1	
(iii)	Sugges three different way that the env ronment may a us problems for people livin the ten wors it ties	
	1	
	2	
	3	
(iv)		s
		[4]

(b) Study Fig. 2.2, whib **b** ows information about the functions of cities

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Fig. 2.2

(i)	What is meant by the following funt ion?
	o mmercal
	reis dential
	indus rial
	[3]
(ii)	Explain why many large it ties have an adminit rative funttion.
	[5]

Name of urban area

Section B

Answ er one quets ion from this es to ion.

3 (a) Study Fig. 3.1, whib is a map b owing hot dee rts

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Fig. 3.1

(i)	On Fig. 3.1, draw a labelled arrow to name a hot dee rt.	[1]
(ii)	Using Fig. 3.1 only, des ibe the dis ribution of hot des rts	
		[2]
(iii)	Des ibe the tp ia I b imate of an area of hot des rt.	
		[3]

	(iv)	Explain how the following factors influene the bimate of an area of hot des rt.
		direct ion of prea iling wind
		atmop heric pres re
		[4]
(b)	Stu	dy Fig. 3.2 (Ine rt), whib is a photograph of hot dee rt & getation.
	(i)	Using Fig. 3.2 only, des ibe three features of the e getation b own.
		1
		2
		3
		[3]
	(ii)	Explain how we getation, so bo as that so own in Fig. 3.2, a n so riv we in a hot deso rt.
		[5]

(C)	For an area ϕ u have studied with an equatorial climate , destibe and explain the climatic b arat eristis
	Name of area
	[7]

[1]

1	(2)	Study	, Fia	11	(Ine	rt)	whih	ic a	photogra	nh of	an	area	of a	nd	dunas
4	(a)	Siday	/ rig.	4.1	(11118	IL),	willa	is a	priologia	ipri oi	an	area	OI &	Hu	dunes

(i)	Whib	one of the	following	t atements	bes	des	ibes the	loa	tion	of the	а	nd	dunes
	a own	in Fig. 4.1?											
	Tial (() the a rret	t otomo	nt in the tabl	0 60	014							

Tick (\checkmark) the orrect statement in the table below.

tick (√)

Des ibe two b arat erit is of the a nd dunes b own in Fig. 4.1. Suggets how the a nd dunes b own in Fig. 4.1 were formed.[3] Many areas of a nd dunes are loa ted on p its Explain how a **spit** is formed.

(b)	Stu	dy Fig. 4.2 (Ine rt), whib is a photograph of an area of o at line.	
	(i)	Des ibe the b arat eris is of the bay b own in Fig. 4.2.	
			[3]
	(ii)	Sugges how the bay sown in Fig. 4.2 has been formed.	
			[6]

Name of o at all area

Section C

Answ er one quets ion from this et ion.

5	(a)	Fig.	dy Figs 5.1 and 5.2 (Ine rt), whib are photographs of two different farms 5.1 b ows ex ense farming. 5.2 b ows intense farming.	
		(i)	What is meant by extensive farming?	
		(ii)	Des ibe the agrio Itural land us in the areas so own in eab of Fig. 5.1 and Fig. 5.2. Fig. 5.1	
			Fig. 5.2	
				[2]
	((iii)	State three way in whib a farmer is able to inc ease the y eld per het are by intens farming.	ive
			1	
			2	
			3	
				[3]
	((iv)	Explain why a loa tion bos to a mark t is important for many farmers	

(b)		dy Fig. 5.3 (Ine rt), white is a map to owing areas where grapes are grown in part of the one Valley, Swite rland.
	(i)	Using Fig. 5.3 only, des ibe the distribution of the areas where grapes are grown.
		1
		2
		3
		[3]
	(ii)	Suggets reasons for the dits ribution of the areas where grapes are grown in the part of the Rhône Valley to own in Fig. 5.3.
		[5]

N	lame of o untry or region
• •	
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• •	

		c ric ty production in four o untries in Europe in 2019.
	(i)	What pere ntage of Germany's electric ty was generated from o al?
		[1]
	(ii)	Identify two differene s between the use of fois I fuels for generating electricity in Austria and Germany.
		1
		2
		[2]
((iii)	Using Fig. 6.1 only , o mpare the importane of nub ear power in the o untries b own.
		rol
		[3]
	(iv)	Explain why some governments do not boos to use nubear power as a source of energy.
		[4]

(b)		dy Fig. 6.2 (Ine rt), whib is a photograph a owing an area where elet ric ty is generated ng wind turbines in the Netherlands (an MEDC in Europe).
	(i)	Sugges why this method of electricity generation is posible at this loation.
		[3]
	(ii)	Des ibe the benefits and dia da ntages of us ng wind power as a form of energy.
	(,	200 iso the senence and all that the senence as the senence as a reminer one energy.
		[5]

Name (of o untry	′	 	 	••		
			 •••••	 •••••	•••••	 	

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