

Wednesday 24 November 2021 – Morning GCSE (9–1) Geography A (Geographical Themes)

J383/02 The World Around Us

Time allowed: 1 hour

You must have:

• the Resource Booklet (inside this document)

You can use

- · a scientific or graphical calculator
- a ruler (cm/mm)



Please write cle	arly in	hlack	ink	Do no	st writ	e in the barcodes.		
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Centre number						Candidate number		
First name(s)								
Last name								

INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided. If you need extra space use the lined pages at the end of this booklet. The question numbers must be clearly shown.
- · Answer all the questions.

INFORMATION

- The total mark for this paper is 60.
- The marks for each question are shown in brackets [].
- Quality of extended response will be assessed in questions marked with an asterisk (*).
- Spelling, punctuation and grammar (SPaG) and the use of specialist terminology will be assessed in questions marked with a pencil ().
- This document has 12 pages.

ADVICE

· Read each question carefully before you start your answer.



Answer **all** the questions.

Ecosystems of the Planet

l (a)	Study	Fig. 1	in the	separa	ate Res	ource	Bookle	t, whic	h show	s part	of a ho	t deser	t ecosy	/stem.
	Expla Fig. 1		the w	ood ra	at is co	onnecte	ed to d	other c	ompon	ents o	f the e	cosyst	em sh	own in
/b)					ab ab a	مناه ماناه								[3]
(b)	Study	tne ta	bie bei	ow wni	cn sno	ws ciin	nate da	ita for a	a tropic	aı raını	orest.			
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Averag temper		-	26	27	28	28	29	28	28	28	28	27	27	27
Total m		-	229	175	196	194	173	173	168	198	180	212	257	258
	(i) (Calcula	te the t	otal ar	nual ra	ainfall.								
														[1]
	(ii) S	State th	e mod	e for th	e temp	eratur	e data.							
														[1]
(dentify ropical			of the	climat	e data	showr	in the	e table	above	that i	s typica	al of a
														[11

(c)* CASE STUDY – threats to coral reef biodiversity

To what extent is hun	man activity threatening the biodiversity of coral reefs?
	[12
	elling, punctuation and grammar and the use of specialist terminology [3

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People of the Planet

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(a)	Wh	ich of the following is a correct definition of a world city?	
	Α	a capital city of a country	
	В	a city considered to be important in the global economic system	
	С	a city with a population greater than ten million	
	D	a city with rapid urban growth	
		Write the correct letter in the box.	[1]
(b)		dy Fig. 2 in the separate Resource Booklet, which shows the Kherwadi area of the city mbai in India.	of
	(i)	Using evidence from Fig. 2, describe one challenge that may affect the city.	
			[2]
	(ii)	Explain how two pull factors cause rapid urbanisation in LIDCs.	
		1	
		2	
			[4]

(c)		dy Fig. 3 in the separate Resource Booklet, which shows global variations in the centage (%) of population with access to the internet.
	(i)	Describe the pattern of internet access shown in Fig. 3.
		[3]
	(ii)	Briefly explain how internet usage shows evidence of economic development.
		[2]
	(iii)	Outline how one other development indicator can show evidence of uneven development.
		[2]

(d)	Explain reasons for uneven development.
	re
	[6]

Environmental threats to our Planet

(a)	Study Fig. 4 in the separate Resource Booklet, which shows changes in global temperand carbon dioxide (CO ₂) levels since 1000AD.								
	(i)	Which one of the following events is associated with the period of time labelled X of Fig. 4 ?							
		Α	Medieval Warming						
		В	Modern Warming						
		С	The Ice Age						
		D	The Little Ice Age						
		Writ	e the correct letter in the box.	[1]					
	(ii)		ch of the following is the correct difference between the highest and lowest avera al temperatures shown on Fig. 4 ?	ge					
		Α	0.2°C						
		В	0.5°C						
		С	0.8°C						
		D	1.2°C						
		Writ	e the correct letter in the box.	[1]					
	(iii)	Exp	lain how the enhanced greenhouse effect contributes to global warming.						
				[3]					

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(b)	State two natural causes of climate change.	
	1	
	2	
		[2]
(c)	Explain why tropical storms only occur over tropical and sub-tropical oceans.	
		[4]

(d)* CASE STUDY – El Niño/La Niña drought event

Drought event studied:
Assess whether the only cause of this drought event was the extreme weather conditions of El Niño/La Niña.
[8]

END OF QUESTION PAPER

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ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).							

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