Surname	Centre Number	Candidate Number
First name(s)		0



GCSE





C112U20-1

TUESDAY, 7 JUNE 2022 – AFTERNOON

GEOGRAPHY B – Component 2

Problem Solving Geography

1 hour 30 minutes

For Exa	aminer's us	e only
	Maximum Mark	Mark Awarded
Part A	44	
Part B	16	
Part C	12	
SPaG	4	
Total	76	

ADDITIONAL MATERIALS

Resource Folder.

In addition to this paper you may use a calculator and a ruler if required.

INSTRUCTIONS TO CANDIDATES

Answer all of the questions in this examination.

Use black ink or black ball-point pen. Do not use gel pen or correction fluid.

You may use a pencil for graphs and diagrams only.

Write your name, centre number and candidate number in the spaces at the top of this page.

Write your answers in the spaces provided in this booklet. Additional space is provided for some questions within the booklet (if required). If further space is required for any question, you should use the additional page(s) at the end of this booklet. The question number(s) should be clearly shown.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets [] at the end of each question or part-question.

You are reminded that assessment will take into account your ability to spell, punctuate and use grammar and specialist terminology accurately in your answer to Part C.



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PMT

Grottole is a village in Italy, a High Income Country (HIC). In recent years it has experienced an outward flow of people. This has been caused by a number of reasons.

Part A: provides information about Grottole, its climate and some causes of migration from the village. 44 marks

Part B: provides some information about the effects of outward migration and considers some solutions to help the area. 16 marks

Part C: asks you to suggest which solutions should be chosen to help the area.

16 marks

Part A – An introduction to Grottole, Italy.

You are advised to spend about 40 minutes on this part.

(a) Study the map in **Figure 2** on **page 2** of the **Resource Folder**.

Describe the location of Grottole by circling the **three** correct answers from the box below.

Southern Italy Northern Italy West of Naples On the Adriatic coast

East of Naples On the island of Sicily North of Croatia

On the coast of the Ionian Sea 350 km from Rome 200 km from Rome

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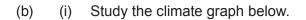
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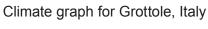
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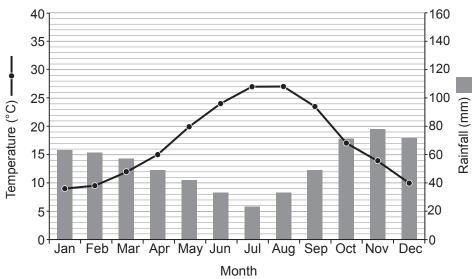
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[3]

Examiner only







Describe the climate of Grottole. Use figures in your answer.	[3]

(ii) Complete the table below to describe the typical conditions of a high-pressure system by circling the **one** correct term in each box. [4]

	Summer	Winter
Cloud cover	None / Some / Full	None / Some / Full
Weather conditions	Rain / Windy / Sun	Frost / Windy / Rain



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	(iii)	Summer tourism in Grottole is encouraged by weather caused by high-pressur conditions.	re
		Complete the following statements to explain why high pressure encourages summer tourism. Circle the correct term in each set of possible answers.	[4]
		In areas of high pressure the air in the upper atmosphere (cools / freezes /	
		warms). This means that the air (rises / sinks / does not move). As a resu	ılt,
		there is less (condensation / evaporation / transpiration).	
		The air in high-pressure areas moves slowly so the weather is (unsettled /	
		settled / maritime).	
(c)		Global warming is causing climate change in many places in Italy, including Grottole.	
	(i)	Name two causes of global warming.	[2]
		Cause 1:	
		Cause 2:	
	(ii)	Give four effects of climate change.	[4]
		Effect 1:	
		Effect 2:	
		Effect 3:	
		Effect 4:	
	(c)	(c) (i)	conditions. Complete the following statements to explain why high pressure encourages summer tourism. Circle the correct term in each set of possible answers. In areas of high pressure the air in the upper atmosphere (cools / freezes / warms). This means that the air (rises / sinks / does not move). As a result there is less (condensation / evaporation / transpiration). The air in high-pressure areas moves slowly so the weather is (unsettled / settled / maritime). (c) Global warming is causing climate change in many places in Italy, including Grottole. (i) Name two causes of global warming. Cause 1: Cause 2: (ii) Give four effects of climate change. Effect 1: Effect 2: Effect 3:



		• Farmers
		Wildlife ConservationistsWater companies
		Tourist hotel owners
		Chosen group
••••		
••••		
•••		
••••		
••••		
••••		
••••		
 d) ((i)	Name one social indicator, other than the Human Development Index (HDI), that
d) ((i)	Name one social indicator, other than the Human Development Index (HDI), that is used to measure human development. [1]
 .		is used to measure human development. [1]
•••	(i) (ii)	Study Figure 3 on page 3 of the Resource Folder. [1]
 .		is used to measure human development. [1]
 .		Study Figure 3 on page 3 of the Resource Folder. Many of the people employed in the primary industry in Grottole are farmers. They
 .		Study Figure 3 on page 3 of the Resource Folder. Many of the people employed in the primary industry in Grottole are farmers. They export a lot of their products.
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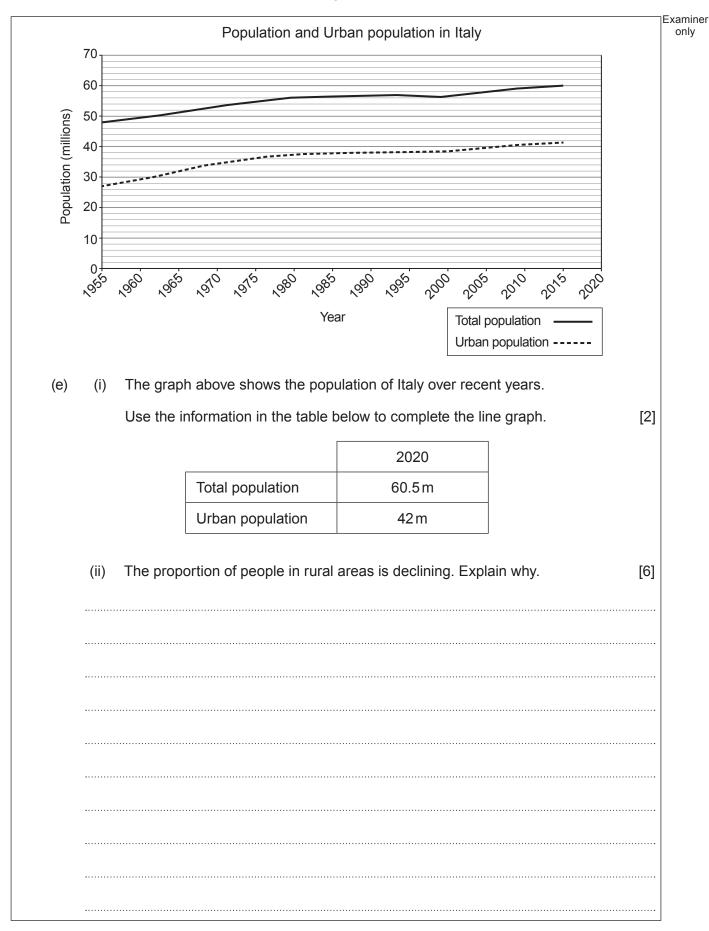
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(iv) Suggest what these indicators do not tell us about the level of development Grottole?	(iv) Suggest what these indicators do not tell us about the level of developn	
(iv) Suggest what these indicators do not tell us about the level of development	(iv) Suggest what these indicators do not tell us about the level of developn	
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(iii)	The population of Grottole has fallen from 1400 to 300 in the past thirty years.
	Give two reasons why a decrease in population in a rural area affects those who stay.
•••••	
•••••	
	End of Part A



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Part B – The effects of migration in Grottole.

You are advised to spend about 20 minutes on this part.

(a) (i) Study the data table below.

	Households with internet access [2019]	Households with potential access to ultra-fast broadband [2019]
Grottole's region	69%	94%
Northern Italy	74%	98%
Central Italy	73%	82%
Southern Italy	64%	80%
Italy	71%	94%
UK	95%	95%

	and the UK.	[1]
		%
(ii)	Give one reason why good communication links can bring economic ad to an area.	lvantages [2]

Give the difference between households with internet access in Grottole's region



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)		Study Figure 5 on page 4 of the Resource Folder . Grottole has become a tour honeypot. The number of holiday homes in the village has increased in recent years.
((i)	Explain the possible problems this could cause.
.		
•···		
(i	ii)	Suggest one advantage that an increase in tourism could bring to the village of Grottole.
•···		
<u></u>		
<u></u>		
<u></u>		



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c)	(i) Multinational companies [MNCs] have invested in Grottole because it is p trading bloc, the European Union (EU).			
		Give one reason why governments benefit from investment by MNCs.		
	(ii)	Governments sometimes offer industries help to move to an area. Explain one problem this might cause.		
		End of Part B		



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Part C

You are advised to spend about **30 minutes** on this part.

Like many rural villages in the UK and the EU, Grottole has experienced rural depopulation [people have left].

A number of options have been suggested to try to stop this population change and produce a more sustainable community.

These are shown in Figure 6 on page 5 of the Resource Folder.

Select a combination of the options that you think will work best together to:

- · stop people leaving
- · encourage people to move into the area
- · produce a more sustainable community

Use information in this paper and the Resource Folder, as well as your studies, to help you.

Choose no more than three.								
Justify your choices. [12]								
Your ability to spell, punctuate and use grammar and specialist terminology accurately will be assessed in your answer. [4]								
Circle the development options you have chosen.								
1	2	3	4	5	6	7	8	
					•••••			•••••••••••••••••••••••••••••••••••••••
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Additional space for Part C only:	
End of Part C	
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Question number	Additional page, if required. Write the question number(s) in the left-hand margin.	Examiner only
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C112U20-1A

TUESDAY, 7 JUNE 2022 – AFTERNOON

GEOGRAPHY B – Component 2

RESOURCE FOLDER

This folder is for use with questions in Component 2. This folder need not be handed in with your answer booklet.



Grottole, Italy. A hilltop village.

Figure 1 – Images of Grottole.





Figure 2 – A map of the the location of Grottole, Italy.



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Figure 3 – Comparison of Jobs/Employment Structure between Grottole, Italy and UK.

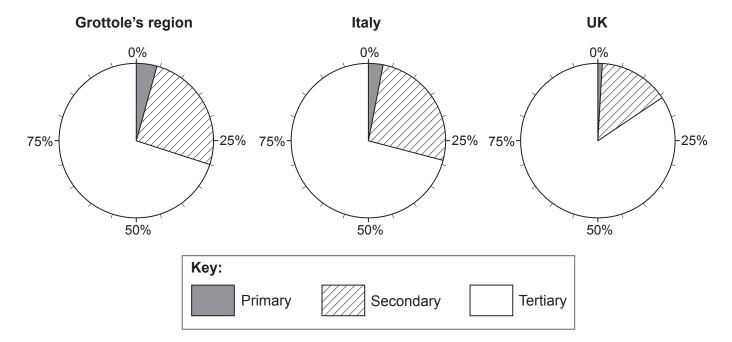


Figure 4 – Some development indicators comparing Grottole's region, Italy and UK (2018).

	Grottole's region	Italy	UK
HDI	0.853	0.883	0.920
GNI per capita (US\$)	\$25621	\$33840	\$41730
Unemployment	12.5%	9.1%	4.1%

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Figure 5 – Some of the houses in Grottole are being rented out as holiday homes.



Figure 6

Potential options to solve Grottole's depopulation problem

Grottole, a village of 300 residents, has been offered these options to stop people moving away and to encourage new residents.



OPTION 1

Grottole could be part of a scheme to host five volunteers from Airbnb (an MNC which rents holiday homes) to become temporary residents. The volunteers would spend three months experiencing village life and learning about local culture to publicise the attractions of the area on Airbnb's website and social media.



OPTION 2

A nearby university has offered to move one of its departments to Grottole. This would bring 78 jobs into the village but would require new buildings to be paid for by the local government.



OPTION 3

The national government could offer to pay half of any villager's connection fee to ultrafast broadband.



OPTION 4

A popular local theatre company has asked whether Grottole would like them to perform there for the next five years.



OPTION 5

The area has been used for filming, including Wonder Woman in 2017. The regional government could offer tax reductions to encourage more companies to film there.



OPTION 6

Saturday schools and evening classes could be offered by local colleges to improve people's internet skills and to show them how the internet could be used for business.



OPTION 7

The EU could offer to help farmers irrigate their land more effectively. This could make farming more profitable.



OPTION 8

More of the empty buildings could be converted to holiday homes.

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