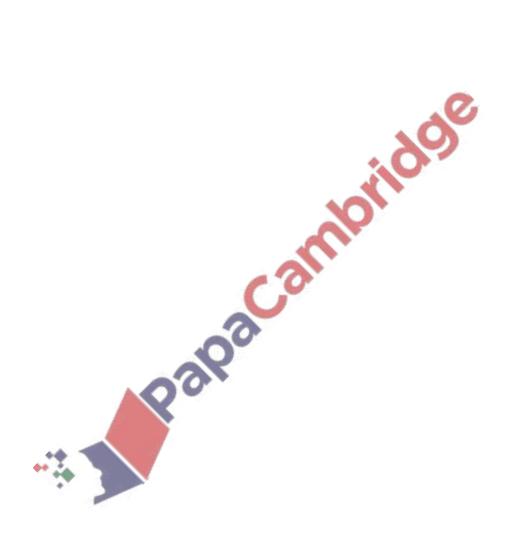
Programming - 2020 IGCSE 0478

1.	2020/Paper_21/No.1(c),(d) Write an algorithm for Task 2 , using either pseudocode, programming statements or a flowchart. Assume that Task 1 has been completed.

[6]



(d)	(i)	Explain how your program completed Task 3 . Assume that Task 2 has been completed. Any programming statements used in your answer must be fully explained.
		Co
		[4]

(ii)	The car insurance system needs updating to record the percentage of customers who bought car insurance after obtaining a price to insure a car. Describe the changes required to your program.
	•••••

2.	Nov	/2020/Paper_22/No.1(c),(e)
	(c)	Write an algorithm to show how you completed Task 1 , using either pseudocode programming statements or a flowchart. It is not necessary to show initialisation or setting up of arrays in your answer.

<i>7</i> 2-
T6
II

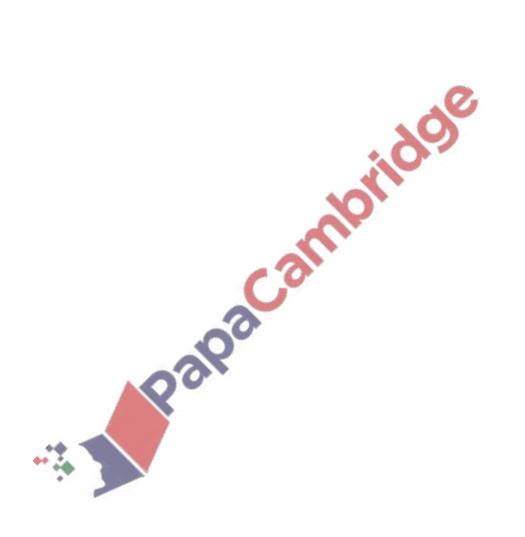
(e)	Describe how you could alter your program to allow more than one computer to be bought.
	[2]
	Pak

3.	Nov/2020/Paper_22/No.4
	This pseudocode algorithm allows 5000 numbers to be entered and stored in an array called
	Number.

FOR Count ← 1 TO 5000 INPUT Number[Count] NEXT Count

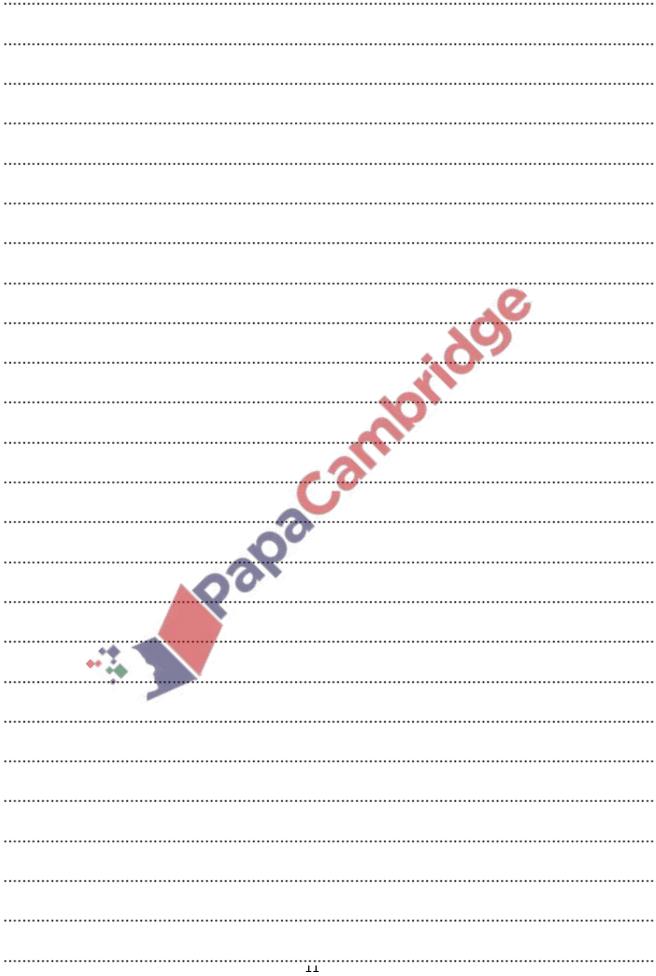
Extend and re-write the algorithm using pseudocode to also count and output how many of the numbers stored in the array are greater than 500, using the variable Higher. Only output Higher once with an appropriate message.
**

			[C]
			Ini



O/Paper_23/No.1(b),(c),(d) Write an algorithm to allow a customer to choose the filling and salad items for their baguette (part of Task 1), using either pseudocode, programming statements or a flowchart. Your algorithm must only include this part of Task 1 .

4.

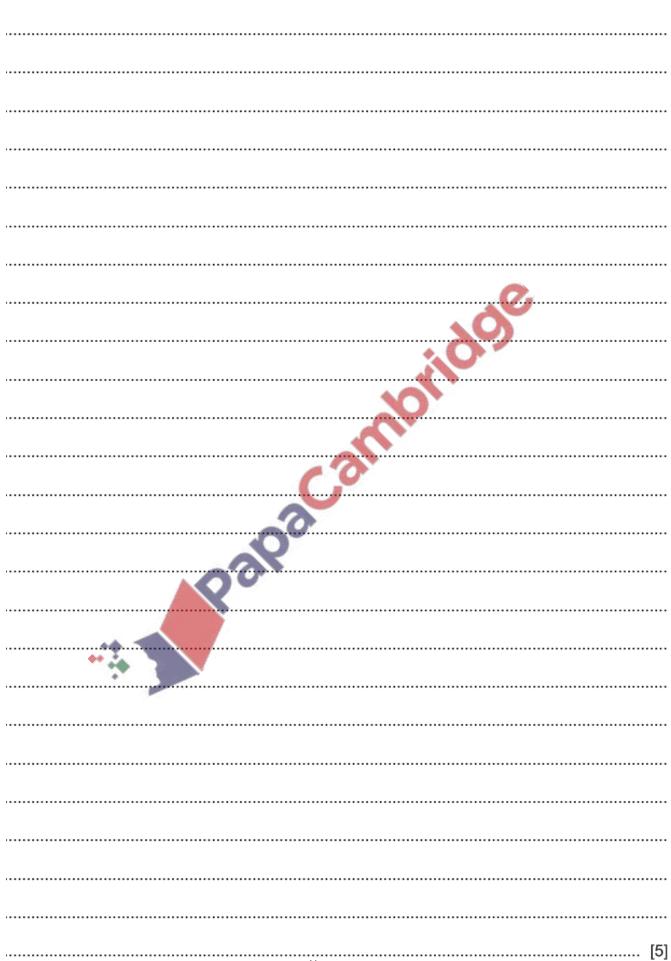


	[5]
(ii)	Explain how your algorithm in part (b)(i) ensured that only valid choices were accepted for the filling.
	[3]
Expl bagi	lain how you would need to change your program for Task 1 if there were three sizes of uette to choose from (15 cm, 20 cm and 30 cm).
•••••	
•••••	
	[2]

(c)

(d)	Explain how your program completed Task 3 . Assume that Task 2 has been completed. Any programming statements used in your answer must be fully explained.
	29
	10 0
	TAT
	[4]

5.		/2020/Paper_21/No.1(c)
	(c)	Write an algorithm to show how you input your choice of mobile device and SIM card (part of Task 1), using either pseudocode, programming statements or a flowchart. It is not necessary to show initialisation or setting up of arrays containing product details.
		-0

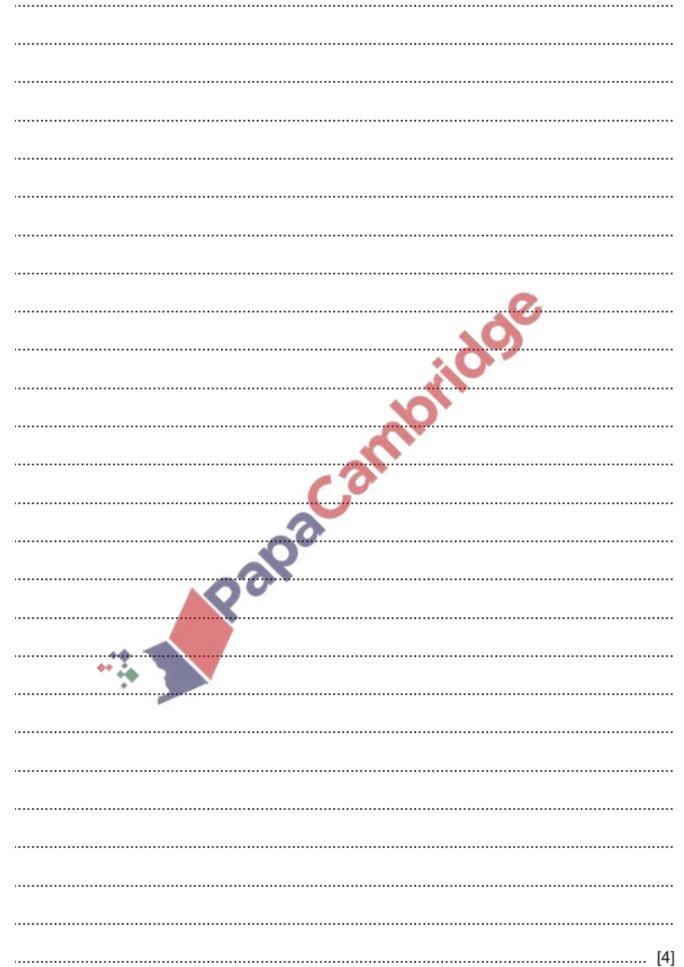


June	/2020/Paper_21/No.4(c)
(c)	Describe how you could change your pseudocode in part (b) so that it prevents numbers below 100 and above 200 from being stored in the array Values[]

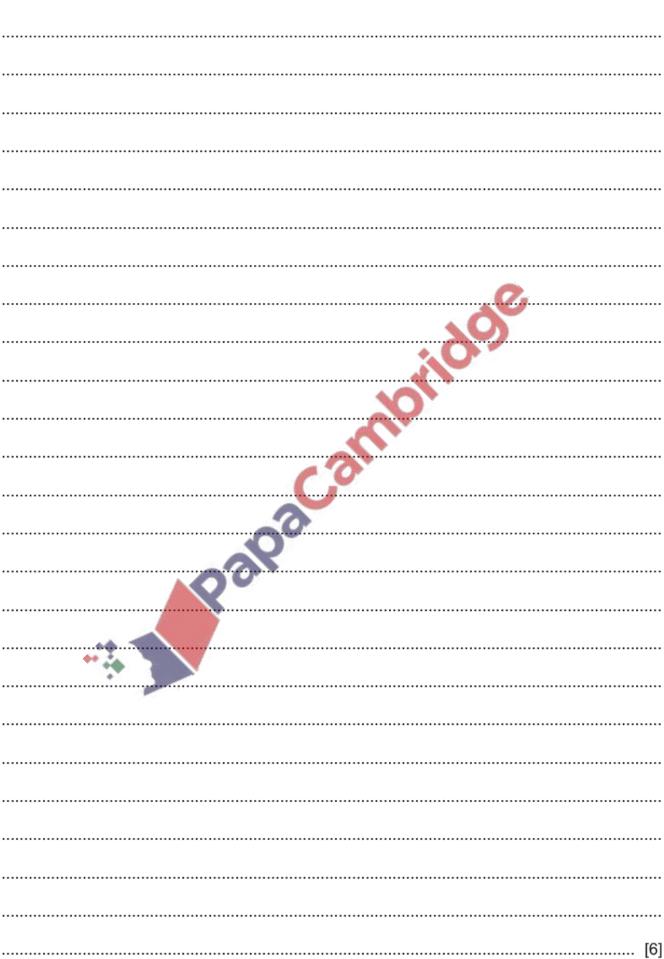


	/2020/Paper_22/No.1(d)
(d)	Write an algorithm for part of Task 2 that simulates customer payment and calculating total payments using either pseudocode, programming statements or a flowchart. Assume that Task 1 has been completed.
	APalpacalli
	••*

7.



8.	e/2020/Paper_23/No.1(c) Write an algorithm for Task 1 using either pseudocode, programming statements or a flowchart. It is not necessary to show initialisation or setting up of arrays.



ch/2020/Paper_22/No.1(d) Write an algorithm for Task 2 , using either pseudocode, programming statements or a
flowchart. Assume that Task 1 has been completed.
