Minor 1

Course Name: Computer Programming and Problem Solving			Course Code: CS100	
Paper Code D	Full Marks: 25	Duration: 45 minute	es Date: 14.12.20)22
Note: It is mandatory to: A) Write the paper code at the start of your answer script. B) Only write the option number for Q1. C) Write comments explaining the purpose of an instruction/code block in your code. D) Write proper cues/prompts for user input and code output in your codes.				
1. Choose the corr	rect option:			(5)
a) A point	er is			
i.	A keyword in C			
ii.	A variable that store	s address of an instru	ction	
iii.	A variable that store	s address of another v	variable	
iv.	All of the above			
b) If a fund	ction does not return ar	ny value, the return ty	/pe is	
i.	zero ii. void	d iii.	int iv. float	
c) %d , %f	, %u specify			
i.	Integers, floats, unsig	gned integers		
ii.	Floats, integers, unsi	-		
iii.	They can indicate an	ything		
iv.	None of the above			
· · · · · · · · · · · · · · · · · · ·	er to a pointer is indicat	•		
i.	* ii. **	iii. ***	iv. None of the above	
•	iable name cannot cont	ain		
i.	Blank spaces			
ii. :::	Hyphens			
iii.	Decimal points			
iv. 2. Write a C progra	All the above	ag nattorns on scroon	. Use two separate loops.	(10)
1 8	ani to print the followin	ig patterns on screen.		(10)
*			* * * *	
* *			* * *	
* * *	*		* *	
a) * * *	* *	b)	*	
3. Write a C program to implement two separate functions (funcA and funcB) to determine if				

an integer is an Armstrong number or not. Take user input and print results from main(). Do

(10)

b. Use call by reference in funcB

NOT use recursion.

a) Use call by value in funcA