TILAK MAHARASHTRA VIDYAPEETH, PUNE BACHELOR OF COMPUTER APPLICATIONS (B.C.A.) SPECIALIZATION IN CYBER SECURITY (CS) EXAMINATION : DECEMBER -2023

SEMESTER - I

Sub: C Programming (BCA –23-101 / BCAC23-101)

Date	: 27/12/2023	Total Marks : 60	Time: 10.00 am To 12.30 pm
	 Bold figures to t Candidates are Answers written Use of scientific 	e compulsory unless and otherwise s he right of every question are the ma advised to attempt questions in orde illegibly are likely to be marked zer calculators, Log tables, Mollier Ch abelled diagrams wherever necessa	aximum marks for that question. r. o. arts is allowed.
Q.1.	Fill in the blanks.		(5)
1.		n is to join two words	
1.	a) strcpy()	b)strlen	0
	c) streat()	d) stren	-
2.		n begins from	
2.	a) program name	b) main	0
	c) function name	d) head	
3.	,	c language is known as o	
	a) decrement	b)dashe	-
	c) minus	d) doub	
4.	The format specifier that is used to read or write a character is		
	a) %d	b)%s	
	c) %f	d) %c	
5.	Array subscripts in 'C' starts from		
	a) 0	b)-1	
	c) 1	d) 2	
Q.2.	State True/False		(5)
1.	scanf () function can be used to read values through keyboard.		
2.	x + = 3 is equivalent	t to $x = x + 3$.	
3.	A function can retur	n only one value	
4.	C keywords can be u	used as variable names.	
5.	In C language, an ar	ray starts from the position zero.	
Q.3.	Answer the following. (Solve any 5) (2)		
1.	Distinguish between while and do-while statements.		
2.	List the header files	in 'C' language.	
3.	What is goto stateme	ent?	
4.	What is a pointer?		
5.	What is datatype?		
6.	Give the features of	C language.	

Q. 4.	Answer the following in detail. (Solve any 6)	(30)	
1.	What is algorithm? Draw flowchart to find area of rectangle.		
2.	Write a C program to compute the simple interest and display the result		
3.	Explain relational and logical operator in C.		
4.	Explain formal argument and actual argument in function with example.		
5.	What is structure? Give difference between array and structure.		
6.	Describe different file modes in C		
7.	Write a program to print factorial using recursive function.		
Q. 5.	Answer the following in detail. (Solve any 1)	(10)	
1.	Explain the looping statement in c with example		
2	What is smary? How to initialized 2D smary? Evaluin with example		

2. What is array? How to initialized 2D array? Explain with example.
