

BACHELOR OF SCIENCE (INFO. & TECH.)-CS Examination  
BSCIT SEMESTER-1 JANUARY 2025 ( Regular ) JANUARY - 2025

PROGRAMMING IN C

Faculty Code : 017

Subject Code : 24CS-BSCIT-MA-01-01001

Time : 2 Hours]

[Total Marks : 50

Q.1(A) Attempt following.

1. C language was developed by \_\_\_\_\_.
2. What is keyword?
3. \_\_\_\_\_ is middle level language.

Q.1(B) Difference between compiler and interpreter.

Q.1(C) Explain History of C language.

OR

Q.1(A) Attempt Following.

1. What is flowchart?
2. C program execution start with \_\_\_\_\_ function.
3. \_\_\_\_\_ is symbolic constant.

Q.1(B) Write down variable naming rules.

Q.1(C) Explain Data types of C language.

Q.2(A) Attempt Following.

1. Write down syntax of if.. else statement.
2. \_\_\_\_\_ is used to terminate loop.
3. \_\_\_\_\_ data type value not used with switch case expression.

Q.2(B) Explain if with example.

Q.2(C) Explain nested for loop with example.

OR

Q.2(A) Attempt Following.

1. Write a syntax of while loop.
2. list out jumping statements.
3. \_\_\_\_\_ is exit control loop.

Q.2(B) Difference between while and do..while

Q.2(C) Explain switch case with example

Q.3 (A)	Attempt following.	3
	1. What is actual argument?	
	2. What is local variable?	
	3. _____ is default storage class.	
Q.3 (B)	Difference between malloc() and calloc()	2
Q.3 (C)	What is UDF? Explain with argument with return value with example.	5
	OR	
Q.3 (A)	Attempt following.	3
	1. What is recursion?	
	2. _____ function is used to de-allocate memory.	
	3. _____ header file is used for atof().	
Q.3 (B)	Difference between call by value and call by reference.	2
Q.3 (C)	Explain different storage class.	5
Q.4 (A)	Attempt following	3
	1. What is array?	
	2. What is pointer?	
	3. _____ operator is used to get address of variable.	
Q.4 (B)	Explain Dangling Pointer problem.	2
Q.4 (C)	What is array? Explain one dimensional array with example.	5
	OR	
Q.4 (A)	Attempt following.	3
	1. What is string?	
	2. How do you access 4th element of array named arr?	
	3. How one dimensional array declare in C?	
Q.4 (B)	Explain memory structure of two dimensional array.	2
Q.4 (C)	What is pointer? Explain array of pointer with example.	5
Q.5 (A)	Attempt following	3
	1. List out user define data types.	
	2. What is structure?	
	3. How to access structure member?	
Q.5 (B)	Explain nested structure.	2
Q.5 (C)	Explain structure in detail.	5
	OR	
Q.5 (A)	Attempt following	3
	1. How to declare union?	
	2. _____ is used to give alias to data type.	
	3. The size of union is equal to size of its _____ member.	
Q.5 (B)	Explain enum.	2
Q.5 (C)	Difference between structure and union.	5