Seat No _____

BACHELOR OF COMPUTER APPLICATION-CS Examination

BCA SEMESTER-1 JANUARY 2025 (Regular) JANUARY - 2025

PROGRAMMING IN C

Faculty Code : 017

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

Time : 2 Hours] **[Total Marks : 50**

Q.1 (A) 1. Which escape sequence character is used to print a character from new line? 3
2. What is the range of char data type?
3. ASCII stands for_____.

Q.1 (B) Explain typecasting with example. 2

Q.1 (C) Explain operators in available in C. 5

OR

Q.1 (A) 1. Who developed C language? 3
2. What is the other name of Conditional Operator?
3. Which tool is called the graphical representation of a program?

Q.1 (B) Explain keyword in C. 2

Q.1 (C) Explain structure of C program 5

Q.2 (A) 1. The value of case in switch case must be a constant. (True/False) 3
2. How many form of if statements are there in C?
3. Which jumping statement is also known as unequal jumping statement?

Q.2 (B) Explain if...else statement. 2

Q.2 (C) Explain for loop with example. 5

OR

Q.2 (A) 1. Which one is post-test loop? 3
2. Which statement is used to terminate a loop?
3. In which loop semi-colon is required at the end of loop?

Q.2 (B) Explain break keyword. 2

Q.2 (C) Explain switch case with example. 5

Q.3 (A) 1. Which header file is required to use character conversion function? 3
2. What type of value is returned by strcmp() function?
3. How many values can be return by a function?

Q.3 (B) Explain strcpy() function. 2

Q.3 (C) What is UDF? Explain any two types of UDF. 5

OR

Q.3 (A) 1. What is the default initial value of static variable? 3
2. Which header file is required to string functions?
3. How many arguments are required in strcpy() function?

Q.3 (B) Explain sqrt() function. 2

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Q.3 (C)	Explain recursion with example.	5
Q.4 (A)	1. Which symbol is used to declare pointer variable? 2. What is the initial value of array index? 3. How many subscripts required to declare 1-D array?	3
Q.4 (B)	What is Pointer?	2
Q.4 (C)	What is Array? Explain two-dimensional array.	5
	OR	
Q.4 (A)	1. Pointer holds _____ as a value. 2. How many types of array are there in C? 3. Array index holds _____ types of values.	3
Q.4 (B)	What is Array?	2
Q.4 (C)	Explain pointer to array with example.	5
Q.5 (A)	1. In Union, each member holds _____ storage location. 2. Which operator is used to access pointer to structure? 3. Which keyword is used to define a structure?	3
Q.5 (B)	Explain is structure.	2
Q.5 (C)	Explain memory allocation functions.	5
	OR	
Q.5 (A)	1. Which operator is used to access structure member? 2. Which keyword is used to define union? 3. Structure is collection of elements having _____ data types.	3
Q.5 (B)	Explain Union?	2
Q.5 (C)	Explain Pointer to structure with example.	5

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