



24CS-BCAP-MA-01-01001

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?
2. What is the range of char data type?
3. ASCII stands for _____.

3

Q.1 (B) Explain typecasting with example.

2

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

OR

5

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

3

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)
2. How many form of if statements are there in C?
3. Which jumping statement is also known as unequal jumping statement?

3

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

2

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

OR

5

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

3

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?
2. What type of value is returned by strcmp() function?
3. How many values can be return by a function?

3

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

2

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

5

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

3

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

2

Q.3 (C) Explain recursion with example. 5

Q.4 (A) 1. Which symbol is used to declare pointer variable? 3
2. What is the initial value of array index?
3. How many subscripts required to declare 1-D array?

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. 3
2. How many types of array are there in C?
3. Array index holds _____ types of values.

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. 3
2. Which operator is used to access pointer to structure?
3. Which keyword is used to define a structure?

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? 3
2. Which keyword is used to define union?
3. Structure is collection of elements having _____ data types.

Q.5 (B) Explain Union? 2

Q.5 (C) Explain Pointer to structure with example. 5