

BACHELOR OF COMPUTER APPLICATION Examination
BCA Semester - 1 JANUARY 2025 (Regular) JANUARY - 2025

PROGRAMMING IN C

Faculty Code : 003

Subject Code : 23SEBCAP-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 _____.

Q.1 (B) Explain typecasting with example.

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

OR

- Q.2 (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?

Q.2 (B) Explain keyword in C.

Q.2 (C) Explain structure of C program

- 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?

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

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

OR

- 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?

Q.2 (B) Explain break keyword.

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

- 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?

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

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

OR

- 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?

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

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