

Roll No.

Total No. of Questions : 13]

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Paper ID [B0145]

(Please fill this Paper ID in OMR Sheet)

BBA (BB - 1002) (S05) (LE) (Sem. - 6th)

PROGRAMMING IN C/C++

Time : 03 Hours

Maximum Marks : 75

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Nine** questions from Section - B.

Section - A

Q1)

(15 x 2 = 30)

- a) What are the rules for declaring variable in C language? Explain with example.
- b) What is a constant? How it is defined and used?
- c) What is assembly language? Give example.
- d) What are various data types supported by C? Give memory requirement of each.
- e) Compare local and global variables with example.
- f) Define string. What are the main operations on strings defined in C?
- g) What do you mean by function? How it is defined?
- h) Distinguish between while and do-while control statements.
- i) What is an array? How it is declared?
- j) Explain the For statement with example.
- k) How can the size of a structure be determined? Give example.
- l) Differentiate between array and structure.
- m) What is a destructor? How it is defined?
- n) Write down the main differences between C and C++.
- o) Define Class. How object and class are related to each other? Give example.

A-48

P.T.O.

Section - B

(9 x 5 = 45)

- Q2)** Explain various stages of software.
- Q3)** Explain the basic data types of C language with example. Also explain their memory requirement.
- Q4)** Differentiate between structured and object oriented programming.
- Q5)** Discuss arithmetic and logical operators available in C with the help of examples.
- Q6)** What is recursion? Explain with the help of an example.
- Q7)** Write a program in C to multiply two matrices.
- Q8)** Explain the different ways to pass arguments to a function with the help of suitable example.
- Q9)** Explain the Nested if and Switch statements of C with example.
- Q10)** What do you mean by constructor? Discuss various types of constructors with the help of examples.
- Q11)** Explain various types of files available in C.
- Q12)** How structure is defined? Write a program to design a structure for 30 students of a class with Rollno, Name and Marks.
- Q13)** Write short notes on :
- (a) Encapsulation.
 - (b) Polymorphism.

