BCA-02/DIT-06
Introduction to Computer Programming Using C
Diploma/Bachelor of Computer Application
(BCA-11/16/17)
1ˢᵗ Semester, Examination June 2022

Time : 2 Hours   **Max. Marks:80**

Note : This paper is of eighty (80) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section-A
(Long Answer-type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Twenty (20) marks each. Learners are required to answer any two (02) questions only.

(2 x 20=40)

Q.1   What are storage classes in c programming? Explain various types of storage class.

Q.2   Define function? State the types of functions depending upon the categories of arguments and return statements with suitable examples.

P.T.O.

Q.3 What are the different types of data files, for future reference and analysis in c programming language? Explain. Write a program to read a notepad file and display its contents on the computer screen.

Q.4 What are Elementary data types. Explain various elementary data types used in c programming language with suitable examples.

Q.5 What is an operator ? Explain the arithmetic, relational, logical and bitwise operators in C language.

Section-B

(Short Answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Ten (10) marks each. Learners are required to answer any four (04) questions only.

(4 x 10=40)

Q.1 Write a program that opens a file and close a file under file handling.

Q.2 Write a pseudo code to find the factorial of a given number.

P.T.O.

Q.3   What is the difference between "break" and "continue" statement in 'c' programming language?

Q.4   Explain the difference between "call by value" and "call by reference" function calling.

Q.5   What is Recursion? Explain it.

Q.6   Discuss the Dynamic memory allocation.

Q.7   Explain the term of "life time of variable" with suitable example.

Q.8   What are the reserved words in 'C' programming language? Explain the significance of the same.

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