MCA-03/M.Sc.IT-03/PGDCA-03

Computer Programming using C
Master of Computer Application/Post-Graduate diploma in Computer Application/Master of Science in Information Technology (MCA/PGDCA/M.Sc.IT-11/12/16/17)

1st Semester Examination June 2022

Time : 2 Hours   Max. Marks : 80

Note : This Paper is of Eighty (80) marks divided into two (02) Section A and B. Attempt the questions contained   in these sections according to the detailed instructions given there in.

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)

P.T.O.

Q.1. What do you mean by the elementary data types in C language ? Write some elementary data types in C with their size.

Q.2 Write a C program to compute the sum of first n terms (where n>=1) of the following series using for loop and while loop.
1-3+5-7+9.....................

Q.3 Compare the following Pair of statement with respect to their syntax and function
a. break & continue
b. goto & break

Q.4 What is recursion? Write a program for generating the Fibonacci series using recursion ?

Q.5 What do you mean by the different function prototype? Write a user defined function to find out greatest of three numbers?

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.

(4 x 10 = 40)

P.T.O.

Q.1   Distinguish between keywords and identifiers?

Q.2   What is the difference between "switch" and "if else"
       statement? Give an example.

Q.3   Explain the difference between while and do while loop ?

Q.4   What are different operators used in C language ?

Q.5   What is string in C language write all functions of string
       handling?

Q.6   What do you mean by function prototype? Give any
       example?

Q.7   Differentiate between Structure and Union?

Q.8   What is enumerated data type? Explain with suitable
       example?

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