Total No. of Questions : 4]

SEAT No. :

PE-1497

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F.Y. B.Sc. (Computer Science)
CS-101-T : PROBLEM SOLVING USING C PROGRAMMING
(Rev. 2024) (Semester - I)

Time : 2 Hours] *[Max. Marks : 30*

Instructions to the candidates:

1) ***Figures to the right indicate full marks.***
2) ***All questions are compulsory.***

Q1) Attempt any six of following : **[6 × 1 = 6]**

a) Define an Identifier.

b) What is the use of = = operator?

c) What is flowchart?

d) What is the use of scanf?

e) Write the syntax to define the function.

f) Define an Array.

g) List the various unconditional program control statement.

h) Define the term 'Local Variable'.

Q2) Attempt any 4 of the following : **[4 × 2 = 8]**

a) What is the difference between while loop and do-while loop?

b) What are the rules of naming the identifiers in C Language?

c) List various data types in C-Language along with their size.

d) What is the difference between one-D array and two-D array?

e) What is the use of break and continue statements?

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Q3) Attempt any 2 of the following : **[2 × 4 = 8]**

a) Define the term Algorithm. Write an algorithm that will display the table of the given number.

b) What is Parameter? What are the types of Parameter? List the rules of parameter passing.

c) Write the syntax and working of for loop with examples.

Q4) Attempt any 2 of the following : **[2 × 4 = 8]**

a) Write a program to accept 3 integers and display the sum of greatest and smallest number.

b) Write a recursive function to find the factorial of a given number.

c) Explain the use of following operators ++, <<, ! = and &&

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