First Year B.B.A. (C.A.)
CA-103: C LANGUAGE
(CBCS 2019 Pattern) (Semester -I)

[Time: 2½ Hours]   *[Max. Marks: 70]*

Instructions to the candidates:
1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*
3) *Questions: Total Number of Questions are: 5*

Q1) Attempt any Eight of the following (Out of Ten)   **[8×2=16]**

   a)   Define Variable.

   b)   Define tokens.

   c)   What is C character set?

   d)   Define printf ().

   e)   What is Conditional operator?

   f)   Define for loop.

   g)   Explain goto statement.

   h)   What do you mean by static variable?

   i)   Give the syntax of malloc ()

   j)   Define Precedence.

Q2) Attempt any four of the following (Out of Five)   **[4×4=16]**

   a)   What is data type. Explain types of data type in C.

   b)   Define pointer in C. Explain with syntax and example

   c)   Define structure. Give suitable example.

   d)   Explain Indirection operator and address of operator in detail.

   e)   Write an algorithm and draw flow chart to find given no is even or odd.

Q3) Attempt any Four of the following (Out of Five).   **[4×4=16]**

   a)   What is a 2-D Array? Explain with syntax and example

   b)   Differentiate between Nested if else statement and switch statement.

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c) Write a program to find the given number is Perfect or not.

d) Write a C program to Multiplication two matrices.

e) Differentiate between Call by value and call by reference.

Q4) Attempt any Four of the following (Out of Five) [4×4=16]

a) What is function? Explain types of function.

b) Define string? Explain any four functions of string.

c) Explain Basic structure of C Programming with suitable diagram.

d) Differentiate between while loop and Do-while loop.

e) Write a C program to find factorial of given number.

Q5) Write a short note on any two of the following (Out of Three) [2×3=6]

a) strcpy ()

b) Operator

c) Continue statement

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