

Total No. of Questions: 5

SEAT NO.:

Total No. of Pages: 2

**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 Identifier.
- b) Explain continue statement.
- c) What do you mean by Variable?
- d) What is C character set?
- e) Define printf().
- f) Define if-else statement?
- g) Define pointer in C.
- h) Define token
- i) Give the syntax of calloc ()
- j) Define Associativity.

Q2) Attempt any four of the following (Out of Five)

[4×4=16]

- a) Define operator. List and explain any four categories of operators in C.
- b) What is string? Explain any four functions of string.
- c) Define structure. Give suitable example.
- d) Explain for loop with syntax and example.
- e) Write an algorithm and draw flow chart to find minimum of two numbers.

Q3) Attempt any Four of the following (Out of Five).

[4×4=16]

- a) What is a 1-D Array? Explain with syntax and example
- b) Explain call by value and call by reference with example.

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- c) Write a program to find sum of first n numbers.
- d) Write a C program to add two matrices.
- e) Explain function `getchar ()` and `putchar ()` with syntax and example.

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

- a) What is function? Explain types of function.
- b) What is storage class? Explain types of storage classes.
- c) Explain switch statement with example.
- d) Differentiate between entry control and exit control loop.
- e) Write a C program to display multiplication table of a given input number.

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

- a) `Strlen ()`
- b) *Data type*
- c) `break statement`