

Roll No.

Total No. of Questions : 07]

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BCA (Sem. - 1st)
PROGRAMMING IN 'C'
SUBJECT CODE : BC - 104
Paper ID : [B0204]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) List various data types supported in C language.
- b) What is use of symbolic constants?
- c) What are various string functions? Explain.
- d) What is the difference between global and local variables?
- e) What is array? How it is different from structure?
- f) List various storage classes. What are properties of auto storage class?
- g) What is nested if statement? Explain with example.
- h) Write a program to find factorial of given number.
- i) What are various formatted input output functions?
- j) List various ways of passing parameters to a function.

- Q2) What is an expression? What is the precedence of operators in an expression? How is it evaluated?
- Q3) Write a note on the following :
(a) Keyword and Identifiers.
(b) C Tokens.
- Q4) What is user defined function? What are its advantages? Explain how user-defined functions are declared and used in C?
- Q5) What is the relationship between arrays and strings? How arrays of strings are defined? Explain.
- Q6) What is structure? How it is different from union? Explain how structure is declared and accessed?
- Q7) What are conditional statements? Explain the concept of nested if, ladder if and switch statement by taking suitable examples.

