

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (Sem.-1)
PROGRAMMING IN C
Subject Code : BS-105
Paper ID : [B0403]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

SECTION-A**I. Write briefly :**

- a) What do you mean by Variable? Define its Scope.
- b) What is a Flow Chart?
- c) What is the use of gets and puts?
- d) Write disadvantages of goto statement.
- e) List any three file mode in C.
- f) State features of pre-processor.
- g) Comment "*C is mid level language*".
- h) Differentiate between array and structure.
- i) Define Logical and Bitwise operators.
- j) What is the use of strcmp() and strlen() function.

SECTION-B

2. What is operator? Enlist all operators used in C. (10)
3. a) Explain nested if - else with syntax and example. (5)
b) What is the use of break and continue statement? (5)
4. a) What do you understand by recursion? Explain with example. (5)
b) Write a program in C to find the factorial of a number. (5)
5. a) Explain the concepts of multidimensional arrays in 'C' Language with suitable example. (7)
b) Define various storage classes in C. (3)
6. a) What is a file mode? Discuss the modes available for opening a file. (5)
b) Define String. For what purpose '\0' is used in string operations, explain with suitable example. (5)
7. a) What is a pointer? How do you get access to an element in an array by using a pointer? (5)
b) Differentiate between Sequential and Random files. (5)

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