BCA - I

Roll No. ....   **Total Pages : 02**

BCA/M-19   **19001**
COMPUTER FUNDAMENTAL
AND PROG. WITH C
BCA-101

Time : Three Hours]   [Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit in addition to compulsory Q. No. **1**. All questions carry equal marks.

Compulsory Question

1. (a) Explain Language Translator
    (b) Explain Bitwise Operator with example.
    (c) Explain Break Statement with example.
    (d) Explain Strlen() with examples.   4×4=16

Unit I

2. (a) What is Computer ? Explain the Applications of computers in various fields.   8
    (b) What is Structured Programming ? What are its advantages and disadvantages ?   8

3. Explain Flow Chart and Algorithm and make a flowchart and algorithm for largest of three numbers.   16

(2-17/6) **L-19001**   **P.T.O.**

Unit II

4. (a) Explain the structure of C program.
   (b) What is conditional operator ? Explain it with example. Also explain the casting of data. **16**

5. Write short notes on the following :
   (a) Data Types in C
   (b) Formatted I/O functions. **16**

Unit III

6. Explain the following :
   (a) Nested IF statement
   (b) Scope of external and auto variables in a function. Local Variable and Global Variable. **16**

7. Explain the definition, types and uses of function. Also explain the different ways to pass parameters to function. **16**

Unit IV

8. What do you mean by Array ? Explain its types. Write a program to find the Multiplication of a matrix. **16**

9. (a) Explain the concept of Dynamic allocation using pointers. **8**
   (b) Explain Pointer Arithmetic and Pointer comparison with example. **8**