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BT-I/D-16   **8123**

INTRODUCTION TO COMPUTER PROGRAMMING
Paper : CSE-101N

Time : Three Hours]   [Maximum Marks : 75

Note : Attempt *five* questions in all. Select at least *one* question from each unit. All questions carry equal marks.

UNIT-I

1. (a) Explain stored program execution along with various parts of computer system.   7½

   (b) Write short notes on the following :

      (i) Magnetic disk.

      (ii) Printer.

      (iii) Mouse.   7½

2. Differentiate between the following :

   (a) Machine Language, High Level Language & Assembly language.

   (b) Linker & Loader.

   (c) Algorithm & Flowchart.   15

UNIT-II

3. (a) What are the various ways to input a string with or without a blank space ? Explain with the help of examples in each case.   6

   (b) Explain various data types available in 'C'.   9

4. (a) What do you understand by unary, binary & ternary operators in 'C' ? Explain with examples.   6

   (b) Use of goto should be avoided. Explain a typical example where we find the application of goto becomes necessary.   4

   (c) Which of the following arithmetic expressions are valid? If valid, give the value of the expression; otherwise give reason. http://www.kuonline.in

      (i) 25/3%2 (ii) +9/4+5 (iii) 7.5%3 (iv) 21%(int)4.5 (v) (5/3)*3+5%3.   5

UNIT-III

5. (a) What is prototyping? Why is it necessary?   4

   (b) Differentiate between actual & formal arguments.   4

   (c) What do you understand by function? Explain the various benefits of using functions.   7

6. Write down a program in 'C' to sort a list of strings.   15

UNIT-IV

7. (a) What is a pointer? How is a pointer initialized? Distinguish between (*m)[5] and *m[5].   7½

   (b) Explain the different arithmetic operations that can be performed on pointers. Also give the list of arithmetic operations that cannot be performed on pointers.   7½

8. (a) Differentiate between arrays, structures and union. 6

(b) Write a program to read the text file containing some sentence. Use fseek() and read the text after skipping *n* characters from beginning of the file. 9

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