RG-1844
First Year B. C. A. (Sem. II) Examination
April / May – 2008
Programming Language - I

Time : 3 Hours]   [Total Marks : 70

Instruction :

1   Answer the following questions briefly.   **14**

(1)   What do you mean by keyword ?

(2)   What is difference between = and == ?

(3)   Differentiate between control string of input and output statements.

(4)   Explain bit wise operator.

(5)   How can you define enumerated data constant ?

(6)   What is significance of variable declaration ?

(7)   Differentiate & and && operator.

2   (a)   Explain NULL statement. Explain its usefulness.   **3**

(b)   How can you define constant in 'C' ? Explain its use.   **5**

(c)   Write a program to check that whether given matrix is unit matrix or not.   **6**

OR

(c)   Write a program to find minimum and maximum element in 3×3 matrix.   **6**

3   (a)   Define basic structure of 'C' Program. Explain each   6
          of its parts.

    (b)   Explain any four math functions.   4

    (c)   Write a program to sort each alphabet in a given   7
          string in descending order.

                              OR

    (c)   Create following PASCAL triangle for a given   7
          string "KAPIL".

                         K
                      K   A
                   K   A   P
                K   A   P   I
             K   A   P   I   L

4   (a)   Explain any two string functions with example.   4

    (b)   Explain need of array variable. What is the   6
          difference between character array and numeric array.

    (c)   Write a program to do following on a given string.   5
          Input : Patel Shiv Kumar
          Output : Patel
                    Shiv
                    Kumar.

                              OR

    (c)   Write a program to find a ward with maximum length   5
          from given string and print that string in reverse order.

5   (a)   What is advantage of structure over array ?   5
          Explain with example.

    (b)   A book shop maintain inventory of books that are   5
          being sold at the shop. Information contains author,
          title, price, qty. when title and author is specified by
          user, program should search for book and should print
          its cost and qty available.

                              OR

    (b)   Define a structure called time which contains 3   5
          members, Hour, Minute and second. Develop a program
          that would assign values to individual members and
          display time in 12 hour format. e.g. 03:08:06 p.m.

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