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W—392—2018

FACULTY OF SCIENCE

B.Sc. (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper III

(Programming in 'C')

(MCQ & Theory)

(Thursday, 6-12-2018)   **Time : 10.00 a.m. to 12.00 noon**

Time—2 Hours   *Maximum Marks—40*

N.B. :—   (*i*)   Attempt *All* questions.

      (*ii*)   Figures to the right indicate full marks.

      (*iii*)   Assume suitable data, wherever necessary.

MCQ

1.   Attempt the following :   10

   (*i*)   Printf( ) is .... statement.

      (*a*)   Looping   (*b*)   Input

      (*c*)   Output   (*d*)   Conditional

   (*ii*)   ★ is used for declaring ....

      (*a*)   Array   (*b*)   Pointer

      (*c*)   For   (*d*)   id

   (*iii*)   In the following list .... is looping statement.

      (*a*)   switch   (*b*)   id

      (*c*)   for   (*d*)   scanf( )

P.T.O.

(*iv*) Structure is .... data type.

    (*a*) Primary   (*b*) Derived

    (*c*) User defined   (*d*) None of these

(*v*) .... function is used to copy one string to another string.

    (*a*) strlen ( )   (*b*) strcmp ( )

    (*c*) strcpy ( )   (*d*) None of these

(*vi*) A block of statement written to perform some task is called ....

    (*a*) Function   (*b*) Pointer

    (*c*) Array   (*d*) String

(*vii*) Union members are stored at .... memory location.

    (*a*) Same   (*b*) Different

    (*c*) Both   (*d*) None of these

(*viii*) .... function is used to open a file.

    (*a*) fopen ( )   (*b*) fread ( )

    (*c*) fclose ( )   (*d*) open ( )

(*ix*) .... format specifier is used for float data type.

    (*a*) %d   (*b*) %s

    (*c*) %c   (*d*) %f

(*x*) .... is used as a new line character.

    (*a*) \s   (*b*) \t

    (*c*) \n   (*d*) \o

Theory

2. (*a*) Explain while statement in 'C'.   5

   (*b*) Explain primary data types.   5

Or

   (*c*) Explain strcat and strcmp functions.   5

   (*d*) Write a program in 'C' to display fibonacci series of a number.   5

3. (*a*) Explain the concept of pointer. 5

(*b*) Explain the concept of union. 5

Or

(*c*) Explain the concept of recursion. 5

(*d*) Write a program in C to find the largest element from an array. 5

4. Define function. Explain how arrays are passed to function. 10

Or

Write a program in 'C' for addition of two 3×3 matrices. 10