

## **PROGRAMMING IN 'C' LANGUAGE - 2012**

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**Note :** All questions are compulsory. Attempt any two parts from each questions carry equal marks.

1. (a) Write the structure of C program.  
(b) Write a program in C to print EVEN numbers between 1 to 300.  
(c) Write example of Nested for loop.
2. (a) Write a program to print first N terms of the following series using Recursion :  
0, 1, 1, 2, 3, 5, 8, 13, ..... N.  
(b) Write a program in C for Linear search using one-dimensional array.  
(c) Explain utility of call by reference.
3. (a) Explain array of structure.  
(b) Write a program in C for passing structure to function.  
(c) Write utility of union in C program.
4. (a) What is Pointer to Pointer ? Brief with the help of example.  
(b) Explain Array of Pointer with suitable example.  
(c) Write a note on Dynamic Array of structure.
5. (a) Write a program in C to read and write sequential file for integer numbers.  
(b) What do you mean by command line arguments ? Explain with the help of an example.  
(c) Write notes on the following :  
(i) # else      (ii) # if      (iii) # end if      (iv) # elif

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