

- Q1 Answer any FIVE from the following: [10]
- "C is a middle level language" Justify the statement
 - Explain increment operator with suitable example
 - What is the significance of # sign in C language?
 - printf("%5d",20) for given statement how it is display on your screen?
 - Explain the scope of local variable and global variable
 - What is array of structure? Explain with example.
 - What is the Purpose of Conditional Operators? Mentions the conditional operators
- Q2 Answer any FIVE from the following: [15]
- Differentiate: Structure Vs. Union
 - What is variable? How do you declare it? Give the rules to assign the meaning full name of a variable
 - What is pointer Variable? How it is differing with simple variable?
 - Differentiate: break Vs. Continue statement
 - What is the significance of data type in C language? Explain any three data types with their size
 - What is the significance of keyword in the C language? Explain any two keywords with suitable example
 - Mention the leap year condition in C language
- Q3 Answer any FIVE from the following: [25]
- Explain recursion with suitable example.
 - What is an Array? Explain declaration & initialization of two dimensional character array with suitable example.
 - Write a short note on do...while loop
 - Write a C program to print the following series up to n terms:

3, 7, 13, 21, 31, 43 ...
Display 10 terms per line
 - Explain the concept of Array of Pointers and Pointers of Arrays
 - Write a short note on switch statement
 - Explain the structure of the for loop with example

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Q4 Answer any TWO from the following: [20]

- a. What is user defined function? What is the purpose of User defined function?
Explain types of UDF in detail
- b. Write a C program to draw given string is palindrome or not with use of pointers
- c. Explain following functions:
1. strcpy() 2.to_lower() 3. flushall() 4. strcat() 5. atoi()

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