

Assignment Questions

MODULE-I

1. Explain the different phases of solving a given problem using computer?
2. Explain precedence and associativity with example?
3. What is Type Conversion? What are different types of Type Conversion? Explain with example?
4. Explain 5 types of data with its Range Value?
5. Explain Formatted Input and Output Functions?
6. Explain Identifiers? Discuss the rules to be followed while naming identifiers? Give examples?
7. Explain format specifiers used in scanf() function to read int,char,float,double and long int data types?
8. Explain relational Operators in C with examples?
9. With an example explain Unary operators in C?
10. Explain in detail about bitwise operators in C Language?
11. Briefly write about C Tokens?
12. Evaluate Expressions where $a=8, b=15, c=4$
i) $2*((a\%5)*(4+(b-3)/(c+2)))$ ii) $100/20 \leq 10-5+100\%10-20 == 5 >= 1 != 20$
13. Write a C program to find and output all the roots of quadratic equation for non zero co-efficients?

MODULE-II

1. Differentiate between While and do while statements with an example each?
2. Write a C Program to calculate area of circle, triangle and rectangle using switch statement?
3. Explain switch structure with flow chart and write to display name of day in a week for given day number assuming day is Monday?
4. Write a program to find the given number is a palindrome using while statement?
5. Write a program to find square of a number using for loop?
6. Write a program to find all roots of quadratic equation?

7. Write a c program to evaluate following expression

$$1+x+x^2/2!+x^3/3!+x^4/4!+\dots\dots\dots$$

8. Differentiate Pretest and protest loop?illustrate with example?

9. Write a program to compute the sum of n numbers using for loop?

10. Write a program to check whether the given alphabet is a vowel or not using switch statement ?

11. What is purpose of a Switch case statement?Explain with syntax?

MODULE-III

1 What is an array?Write a program to find sum of 2D array and store the result in another array?

2 Write a program to accept string and check whether palindrome or not?

3 Explain how a 1-D array can be declared and initialized?write a program to add n numbers in array?

4 Explain the Strcat and Strcpy string handling functions?

5. Write a C Program to multiply A[MXN] and B[PXQ] and stores the result in C matrix?

6. Write a program to search an element from an unsorted list using binary search?

7. What is difference between a character and string containing single character?

8. Define an array.How are they declared in C Language?

9. Write a program to read two matrices from key board and print the sum of two matrices?

10. Explain Initialization and declaration of 2D array?

11. Write a C program to input N integers in single dimensional array and sort them in ascending Order using Bubble sort?

MODULE-IV

1. Differentiate between Structure & Unions members.

2. What is the significance of dynamic memory allocation? Explain C function that support Dynamic allocation.

3. How array of structures are used in C? Explain

4. Explain the use of typedef?

5. Define file and explain the functions used for opening and closing the file?

6. What are the data types that structure supports?Explain?

MODULE-V

1. Write a C program using dynamic variables & pointers to construct?
2. What is Pointer? Explain the declaration and use of Pointer?
3. Explain the concept of pointer to pointer?
4. How pointer arrays are initialized? Explain with an example?
5. Explain various preprocessing statement with examples?
6. What is Primitive and non-Primitive data types? Explain with an example?
7. Write a C program using dynamic variables & pointers to construct
8. What is a Linked list? Compare static & dynamic implementation of linked list in C.
9. How can an ordinary Queue is represented using a singly linked list ? Give algorithms for insertions as well as deleting elements in to a singly linked list?