

Unit I
10 -Mark Questions

1. Explain the basic structure of a C program with a simple Program.
2. Write about operators in C.
3. Explain different data types in C?
4. Explain Different types of IO functions with examples.
5. Write about tokens of C.
6. Explain about different types of programming languages.

5-Mark Questions

1. Explain basic IO functions in c with examples.
2. Define variables and constants in C. List the rules of a variable?
3. Explain the differences between compiler and interpreter.
4. Explain about flowchart and its symbols? Give a suitable example.
5. What is an algorithm? Explain with example?

Unit II
10-Mark Questions

1. Explain in detail the different looping constructs with syntax and examples.
2. Write a C program to display the multiplication table of a given number.
3. Write a C program to display prime numbers between given range
4. Explain about Decision making statements in C with suitable examples.

5-Mark Questions

1. Differentiate between while and do-while loops with examples.
2. Write a program to read one number and check whether it is prime or not.
3. Explain the use of break and continue statements with examples.
4. What is a nested loop? Give a simple C example using nested for loops.
5. Explain switch-case statement with example.
6. Write palindrome program with for loop.

Unit III
10-Mark Questions

1. Write a C program to read 5 numbers into an array and find the largest and smallest elements.
2. Explain in detail one-dimensional and two-dimensional arrays with examples.
3. Write a C program to multiply two matrices and display the result.
4. Discuss various string and character handling functions with examples.
5. Write a program for checking string palindrome without using string functions.
6. Write a C program to read 5 names and sort them and display.

5-Mark Questions

1. Define an array in C. How do you declare and initialize a one-dimensional array?

2. What is a two-dimensional array? Give declaration and an example of accessing its elements.
3. Explain selection sort logic with simple diagrams.
4. What is a string and write its declaration and initialization in C.
5. Write a program to find length of string without using string functions.

Unit IV

10-Mark Questions

1. Explain about passing arguments and return type of a function
2. Give a note on Functions
3. Explain how to use pointers in C
4. Explain the relationship between arrays and pointers in C.
5. Explain about types of functions.
6. Explain function call by value and call by reference.

5-Mark Questions

1. Explain about function call and definition in C?
2. Explain about nested functions.
3. Explain recursion with an example code.
4. Explain scope of variables

Unit V

10- Mark Questions

1. Explain how to define a structure and how to access its members.
2. Explain pointers to structures
3. Differentiate between Structures and Unions with suitable examples.
4. Explain structures and function with example.
5. Explain file handling in C

5-Mark Questions

1. Write about nested structures with example code.
2. Differentiate between structures and arrays.
3. Explain about array of structure variables.
4. Write the syntax of fopen, fclose, fscanf, and fprintf functions and state their purpose.
5. Explain about EOF in file handling.

