

**UNIT-1: Arrays, Structure & Union and User defined function in C programming Language**

1. What is an array in C? Explain with proper Example.
2. Explain multidimensional Numeric array in detail.
3. Explain multidimensional character array in detail.
4. Explain Row major and Column major in array.
5. What is the structure? Explain with proper Example.
6. What are the ways of accessing structure member?
7. What is typedef in C language?
8. What is a union? Explain with proper Example.
9. What is difference between structure and union? Explain in detail.
10. Explain recursion in detail with an example.
11. How to pass array to user defined function? Explain with example.
12. What is difference between actual and formal parameter in C language?
13. What is User defined functions? Explain with Example.
14. Explain Recursive Function with example.
15. Create a user defined function to find maximum number from 10 numbers.

**UNIT-2: Python Fundamentals**

1. What is Python? What are the applications of python?
2. Explain Python is an interpreted language.
3. What is difference between global and local variable in python?
4. What is Python Variables?
5. Explain Structure of Python Programming language.
6. Write a note on structure of Python program.
7. Explain text, numeric and Boolean data types in Python.
8. Explain Python code Indention and execution with example.
9. What is type casting in python?
10. Explain User defined function (UDF) in python with example.
11. How to comment with multiple lines in Python?
12. What type of language is python? Programming or scripting?

**UNIT-3: Python Strings and Operators**

1. How to store a multiline string in Python str variable?
2. List all operators in Python and explain identity and member operators.
3. What Does the // Operator Do in python?
4. What is slice operator [] in python String? Explain with example.
5. What is string? Explain negative slicing string in Python language.
6. Explain any six string methods in Python.
7. Which operator is used for string concatenation?