**Module-3**

1. What are the key differences between Procedural Programming and Object-Oriented Programming (OOP)?
2. List and explain the main advantages of OOP over POP.
3. Explain the steps involved in setting up a C++ development environment.
4. What are the main input/output operations in C++? Provide examples.
5. What are the different data types available in C++? Explain with examples.
6. Explain the difference between implicit and explicit type conversion in C++.
7. What are the different types of operators in C++? Provide examples of each.
8. Explain the purpose and use of constants and literals in C++.
9. What are conditional statements in C++? Explain the if-else and switch statements.
10. What is the difference between for, while, and do-while loops in C++?
11. How are break and continue statements used in loops? Provide examples.
12. Explain nested control structures with an example.
13. What is a function in C++? Explain the concept of function declaration, definition, and calling.
14. What is the scope of variables in C++? Differentiate between local and global scope.
15. Explain recursion in C++ with an example.
16. What are function prototypes in C++? Why are they used?
17. What are arrays in C++? Explain the difference between single-dimensional and multidimensional arrays.
18. Explain string handling in C++ with examples.
19. How are arrays initialized in C++? Provide examples of both 1D and 2D arrays.
20. Explain string operations and functions in C++.
21. Explain the key concepts of Object-Oriented Programming (OOP).
22. What are classes and objects in C++? Provide an example.
23. What is inheritance in C++? Explain with an example.
24. What is encapsulation in C++? How is it achieved in classes?