- 1. Differentiate between
  - a. Pseudo Code vs Algorithm
  - b. Linker Error vs Logical Error
  - c. Syntax Error vs Semantic Error
  - d. Variable declaration vs initialization
  - e. Postfix vs Prefix Operator
- 2. Discuss Short-Circuit operator with example
- 3. What goes behind the scene when you attempt to get an output from source code in C++? Elaborate the process steps with the help of diagram
- Create a menu-driven program in C++ that performs operations like Finding Maximum,
   Minimum, Square, and Square Root of numbers hint use Switch statement
- 5. **Write a program** to assign a grade (A, B, C, D, and E) based on marks input by the user using ifelse conditions
- 6. Draw a flowchart to find out the greatest among three numbers
- 7. What will be the output of the program

```
#include <iostream>
using namespace std;
int main() {
  int i = 5;
  int prefixResult, postfixResult;
  prefixResult = ++i;
  cout << "Prefix Increment: " << endl;</pre>
  cout << "Value of i: " << i << endl;
  cout << "Result of Prefix Increment: " << prefixResult << endl;</pre>
  i = 5;
  postfixResult = i++;
  cout << "Postfix Increment: " << endl;</pre>
  cout << "Value of i: " << i << endl;
  cout << "Result of Postfix Increment: " << postfixResult << endl;</pre>
  return 0;
}
```