**Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AI-B Fall 2024**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ProgrammingFundamentals**

**Section:\_\_\_\_\_\_\_\_\_\_\_\_\_ Quiz 2**

**B**

**Q1: Write output of the following cpp code:**

int main() {

int x = 7; Solution : 16 6

int y = 2;

int z = 10;

int result;

result = x \* y + z / (x - y) - z % y;

y = x + y \* (z / x) - (z % x);

cout << result << " " << y;

return 0;

}  
  
**Q2: Write output of the following cpp code:**

int main() {

int a = -5; Solution : 4294967291

unsigned int b = a;

cout << b << endl;

return 0;

}

**Q3:**  
Write a cpp program that compute the 2's Complement of a Number Using Bitwise Operations

#include <iostream>

using namespace std;

int main() {

    int num;

    cout << "Enter an integer: ";

    cin >> num;

    int onesComplement = ~num;

    int twosComplement = onesComplement + 1;

    cout << "The 2's complement of " << num << " is: " << twosComplement << endl;

    return 0;

}