BANGLADESH UNIVERSITY OF BUSINESS AND TECHNOLOGY (BUBT)
Dept. of CSE

Rupnagar, Mirpur-2, Dhaka-1216, Bangladesh
Phone: PABX-9024266, 9024277, 9015397, 9020132-4, Fax: 9024399
E-mail: info@bubt.edu.bd, Website: www.bubt.edu.bd

EXAMINATION SCRIPT

(Filled up by class teacher)

Question No.	Mark Obtained
Total Mark	

(This part is filled up by students)

Name:	Md. Zobayer Hasan Nayem
Student ID:	19202103274
Intake - Section:	44-7
Program:	CSE
Course code:	121
Course title:	CSE 121
Trimester:	Summer 2020
Exam type:	Class Test-2
Date:	1st November, 2020
Question option:	

Ans To the Que No: 02

Ans to the que. NO: 02 ①

```
# include <iostream>
using namespace std;

class Complex
{
  private:
    float real;
    float imag;

  public:
    Complex() : real(0), imag(0) { }
    void input()
    {
    cout << " Enter real and imaginary parts
                                respectively : ";

    cin >> real;
    cin >> imag;

    }
  Complex operator- (Complex c2)
  {
    Complex temp;
```

```
temp.real = real - c2.real;
temp.imag = imag - c2.imag;

return temp;

}
Complex operator == (Complex c2)
{
 Complex temp;
 temp.real = real - c2.real;
 temp.imag = imag - c2.imag;

 return temp;

}
void output()
{
if (imag < 0)
   cout << " Output Complex numbers : " << real << imag << "i";
else
 Cout << "output Complex numbers : " << real << " + " << imag
                                          << "i";
```

```
    }
};

int main()
{
    int i = 0;
    if (!i)
      cout << " i is zero " << endl;
      Complex c1, c2, result;

      cout << "Enter first complex number: \n";
      c1.input();

      cout << " Enter second complex number: \n";
      c2.input();

      result = c1 - c2;
      result.output();

      return 0;

}
```