

Heaven's Light is Our Guide
Rajshahi University of Engineering & Technology
Department of Computer Science & Engineering

Lab Manual

Course Code: **CSE 1204 (Sec A & B)**
Course Title: Sessional based on CSE 1203

Module 2 [Constructor, const & static] (for Week 2)

1. **Problem Statement:** Use the following class Test with the data members and methods

```
class Test{  
    private:  
        Data Member x;  
        Data Member y;  
        Data Member z;  
    public:  
        //write methods  
  
};
```

Now write and necessary codes in class and **main()** do the following

- i) Initialize private data members **x** and **y** to 0 when empty constructor is called
- ii) Initialize private data members **x** and **y** using parameterized constructor is called
- iii) Initialize private data members **x** and **y** from another object using copy constructor
- iv) The data member **z** keeps track of total objects created
- v) Write a method to initialize **x** and **y**
- vi) Write a method to display data member **z** only
- vii) Write a method to display **x,y** and **z** where their values can't be changed
- viii) Create five objects
- ix) Find the sum of **x**
- x) Find the object number whose **y** value is maximum
- xi) Write destructor

2. **Problem Statement :** Write a class A with two data member **a** and **b**. Now set the values of **a** and **b** of an object **obj1** by a setter method **SetData()** and copy the values of **a** and **b** of **obj1** to another object **obj2** by using copy constructor.