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**SRM INSTITUTE OF SCIENCE &TECHNOLOGY,**

**RAMAPURAM CAMPUS,**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CONTINUOUS LEARNING ASSESSMENT-1**

**18CSC202J– Object Oriented Design and Programming**

**Branch : B.Tech CSE & All Specializations**

**Year / Sem : II / III Max. Marks: 25**

**Duration : 50 Minutes Date of Exam:**

**Part-A (5\*1=5 Marks)**

1. **Instance of which type of class can’t be created?**  
   a) Anonymous class  
   b) Nested class  
   c) Parent class  
   d) **Abstract class**
2. **What is the output of following code?**

int n=10; // global

class A()

{

private : int n;

public : int m;

A()

{

n=100; m=50;

}

void disp()

{

cout<<”n”<<m<<n;

};

1. 1050100  
   b) 1005010  
   c) n5010  
   d) **n50100**
2. **Which member can be considered most secure in the code below?**

class A()

{

int a;

private : int b;

protected : int c;

public : int d;

};

a) a  
b) **b**  
c) c  
d) d

4**. Choose the valid class declaration**

1. **class A { int x; };**
2. class B { }
3. public class A { }
4. object A { int x; };
5. **\_\_\_\_\_\_ diagram in UML shows a complete modelled system at a specific time.**

a) **Object**

b) Class

c).Sequence

d) Collaboration

***Part – B* (2 X 4 = 8 Marks)**

***Answer any 2 Questions***

6. Describe the benefits and features of object oriented programming.

7. When inline functions are used? Justify with an example.

8. Difference between constructor and destructor with suitable example.

***Part – C (1 X 12 = 12 marks)***



1. 9. Create the class Student and make use of the functions read(), sum(), and print(). To find the sum and average of 5 subjects.

(Or)

1. What is UML and importance of UML? Draw the Use case and Class diagrams for Online examination System.

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ALL THE BEST\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***