**Unit III**

1. Which of these method of class String is used to extract a single character from a String.
   1. CharAt() b. indexOf c. toString d.charAt()
2. What is the output?

final class A{

int i;

}

class B extends A{

int j;

System.out.println(j + " " + i);

}

class Sample{

public static void main(String args[])

{

B b = new B();

}

}

* 1. Compilation Error b.Runtime Error c. No Error d. None of these

1. Which of these is supported by method overriding in java?
   1. Abstraction b. Encapsulation c. Polymorphism d. None of these
2. Which of these is the correct a constructor having no parameters, of superclass A by subclass B?
   1. Super.A() b. super() c. this() d. super.A()
3. Which of these keywords can be used to prevent Method Overriding?
   1. Static b. final c. const d. protected
4. Which of these class is used to create a srting with mutable sequence.
   1. String b. StringBuilder c. StringBuffer d. both b and c
5. What will be the output?

class Test1{

final int a = 10;

}

class Test2 extends Test1{

final int a = 20;

}

public class Sample extends Test2{

final int a = 30;

public static void main(String args[]){

Sample s = new Test1();

System.out.print(s.a);

}

}

* 1. Compilation Error b. 30 c. 20 d. None of these

1. What is the output?

class A {

int x;

public void display() {

System.out.println(x);

}

}

class B extends A {

int y;

public void display() {

System.out.println(y);

}

}

public class Sample{

public static void main(String args[]){

B obj = new B();

obj.x=111;

obj.y=222;

obj.display();

}

}

* 1. 222 b. 111 c. 0 d. Compilation Error.

1. What is the order of execution of the constructors in java?
   1. Super class to Subclass. b. Either of the order.

c. Subclass to Super Class. d. None of these

1. If Class B is sub classed from Class A then which is the correct syntax.
   1. Class B: A{} b. Class B extends A{}

c. Class B extends Class A{} d. Class B implements A{}