**Core Java MCQ 2 Marks :25**

Q1)What will be the output?

public class Test1{

public static void main(String[] args){

int arr[] = new int[3];

for(int i = 0;i < arr.length;i++){

System.out.println(arr[i]);

}

}

}

A1 0 0 0  
A2 ArrayIndexoutOfBoundsException  
A3 NullPointerException  
A4 null null null

Q2)Which of the following are valid array declarations?

A1 int arr[] = new int[];  
A2 float arr[10] = new fl  
A3 double []arr = new double[10];  
A4 None Of the Above.

Q3)What will be the output?

public class Test3{

public void method(){

System.out.println("Called");

}

public static void main(String[] args){

method();

}

}

A1 "Called"  
A2 Compiler  
A3 Runtime  
A4 Nothing

Q4)What will be the output?

public class Test4{

public static void method(){

System.out.println("Called");

}

public static void main(String[] args){

Test4 t4 = null;

t4.method();

}

}

A1 "Called"  
A2 Compiler  
A3 Runtime Exception  
A4 Nothing is printed in screen

Q5)What will be the output?

public class Test5{

public void Test5(){

System.out.println("Constructor1");

}

public Test5(){

System.out.println("Constructor2");

}

public static void main(String[] args){

Test5 t5 = new Test5();

}

}

A1 "Constructor1"  
A2 "Constructor2"  
A3 "Constructor1""Constructor2"  
A4 Compiler Errror

Q6)What will be the output?

public class Test6{

public Test6(){

this(4);

}

public Test6(byte var){

System.out.println(var);

}

public static void main(String[] args){

Test6 t6 = new Test6();

}

}

A1 4  
A2 4 4  
A3 Compiler Error  
A4 Compiles and Runs without error

Q7)What will be the output?

public class Test7{

public Test7(){}

public Test7(Test7 ref){

this (ref,"Hai");

}

public Test7(Test7 ref,String str){

ref.Test7(str);

System.out.println("Hi");

}

public void Test7(String str){

System.out.println(str);

}

public static void main(String[] args){

Test7 t = new Test7();

Test7 t7 = new Test7(t);

}

}

A1 HI  
A2 hai  
A3 Hai Hi  
A4 Hi Hai

Q8)Which of the following are valid Constructors?

A1 public Test8(){}  
A2 private void Test8(){}  
A3 protected Test8(int k){}  
A4 Test8(){}

Q9)Which of the following are valid method declarations?

A1 abstract method(){}  
A2 abstrct void method(){}  
A3 final void method(){}  
A4 int method(){}

Q10)Which of the following are valid top-level class declarations?

A1 class Test10  
A2 public class Test10  
A3 final class Test10  
A4 abstract final class Test10

Q11)transient keywaord can be used with?

A1 method  
A2 variable  
A3 class  
A4 constructor

Q12)which of the following are valid combinations for class declaration?

A1 abstract final class Test12{}  
A2 abstract static class Test12{}  
A3 final static class Test12{}  
A4 public final strictfp class Test12{}

Q13)which of the following are valid constructor signatures?

A1 public void className()   
A2 public void className()   
A3 private className()   
A4 static className()

Q14)Which of the following modifiers can be used with top class declaration?

A1 static  
A2 privatr  
A3 public  
A4 final  
A5 abstract

Q15)Which of the following are valid array declarations?

A1 int arr[] = new int[];   
A2 int arr[][] = new int [10][10];  
A3 float arr[][] = new float[][10];  
A4 float arr[] = new float[10];

Q16)What will be the output of the following program?

public class Test1 {

static{

System.out.println("Static");

}

{

System.out.println("Instance");

}

public void Test1(){

System.out.println("Constructor");

}

public static void main(String[] args) {

Test1 t = null;

}

}

A1 Instance Static  
A2 Static Instance  
A3 Static  
A4 Static Instance Constructor

Q17)What will be the output of the following program?

class Sup{

public Sup(String str){

System.out.println("Super class");

}

}

public class Test2 extends Sup{

public Test2(){

System.out.println("Sub class");

}

public static void main(String[] args) {

Test2 t2 = new Test2();

}

}

A1 Super class,SubClass  
A2 Super class  
A3 Sub class  
A4 Compiler Error

Q18)What will be the output of the following program?

public class Test3 {

public static void main(String[] args) {

System.out.println("Main Method1");

}

public static void main(String args){

System.out.println("Main Method2");

}

}

A1 Main Method1  
A2 Main Method1 Main Method2  
A3 Main Method2  
A4 Runtime Exception

Q19)What will be the output of the following program?

public class Test4 {

public static void main(String args) {

System.out.println("Sample Program");

}

}

A1 Sample Program  
A2 Compiler Error  
A3 Runtime Exception  
A4 None

Q20)What will be the output of the following program?

class Sup1{

public Sup1(){

System.out.println("Hai");

}

private Sup1(String str){

System.out.println(str);

}

}

public class Test5 extends Sup1{

private Test5(String str){

System.out.println(str);

super();

}

public static void main(String[] args) {

Test5 t5 = new Test5("HI");

}

}

A1 Hai,Hi,Hi  
A2 Hai,Hi  
A3 Hi,Hi  
A4 Compiler Error

Q21)Which of the following are not a wrapper class?

A1 String  
A2 Integer  
A3 StringBuffer  
A4 Boolean

Q22)Select the correct syntax for main method :

A1 public void main(String args[])  
A2 public static void main(String args)  
A3 public static void Main(String args[])  
A4 None of the Above

Q23)Which of the following are not a valid declarations?

A1 float f = 1;  
A2 float f = 1.2f;  
A3 float f = 1.2;  
A4 float f = (float)1.2;

Q24)String s1 = new String("hi");

String s2 = "hi";

System.out.println(s1 ==s2);

System.out.println(s1.equals(s2));

A1 false true  
A2 true false  
A3 true true  
A4 None of the above.

Q25)Integer i = new Integer(0);

Float f = new Float(0);

System.out.println(i==f);

System.out.println(i.equals(f));

A1 true false  
A2 false true  
A3 true true  
A4 Compiler error

26. What is the result when you compile and run the following code?

byte Byte = 10;  
byte Double = 12;  
byte Integer = Byte \* Double;

A) 120;  
B) Compile time error while declaring variables  
C) Compile time error while multiplication  
D) None of the above

27. Select all valid methods for Component class?

A) setBounds(), setVisible(), setFont()  
B) add(), remove()  
C) setEnabled(), setVisible()  
D)addComponent()

28. Which subclasses of the Component class  will display the MenuBar?

A) Window, Applet  
B) Applet, Panel  
C) Frame  
D) Menu, Dialog

29. Select all correct answers from the following statements?

A) Frame's default layout manager is BorderLayout  
B) CheckBox, List are examples of non visual components  
C) Applets are used to draw custom drawings  
D) Canvas has no default behavior or appearance

30. Select all the correct answers about File Class?

A) A File class can be used to create files and directories  
B) A File class has a method mkdir() to create directories  
C) A File class has a method mkdirs() to create directory and its parent directories  
D) A File cannot be used to create directories