1. **What is output of the program?**

**class Test{**

**public void display(int x, double y){**

**System.out.println(x+y);**

**}**

**public double display(int p, double q){**

**return (p+q);**

**}**

**public static void main(String args[]){**

**Test test = new Test();**

**test.display(4, 5.0);**

**System.out.println(test.display(4, 5.0));**

**}**

**}**

A. 9.0 9.0

B. 9 9

C. Compilation Error

D. None of these

**Answer: Option C**

# what is the result of the following piece of code:

**public class Person{**

**public void talk(){**

**System.out.print("I am a Person");**

**}**

**}**

**public class Student extends Person{**

**public void talk(){**

**System.out.print("I am a Student");**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**Person p = new Student();**

**p.talk();**

**}**

**}**

A. I am a Person

B. I am a Student

C. I am a Person I am a Student

D. I am a Student I am a Person

**Answer: Option B**

# **3.** What will be the output?

**interface A{**

**public void method1();**

**}**

**class One implements A{**

**public void method1(){**

**System.out.println("Class One method1");**

**}**

**}**

**class Two extends One{**

**public void method1(){**

**System.out.println("Class Two method1");**

**}**

**}**

**public class Test extends Two{**

**public static void main(String[] args){**

**A a = new Two();**

**a.method1();**

**}**

**}**

A. Class One method1

B. Class Two method1

C. Nothing will be printed

D. Compilation Error

**Answer: Option B**

What will be the output of the following program code?

**class Rectangle{**

**public int area(int length, int width){**

**return length\*width;**

**}**

**}**

**class Square extends Rectangle{**

**public int area(long length, long width){**

**return (int) Math.pow(length, 2);**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**Square r = new Square();**

**System.out.println(r.area(5 , 4));**

**}**

**}**

A. Will not compile.

B. Will compile and run printing out 20

C. Runtime error

D. Will compile and run printing out 25

**Answer: Option B**

# What will be printed after executing following program code?

**class Base{**

**int value = 0;**

**Base(){**

**addValue();**

**}**

**void addValue(){**

**value += 10;**

**}**

**int getValue(){**

**return value;**

**}**

**}**

**class Derived extends Base{**

**Derived(){**

**addValue();**

**}**

**void addValue(){**

**value += 20;**

**}**

**}**

**public class Test{**

**public static void main(String[] args){**

**Base b = new Derived();**

**System.out.println(b.getValue());**

**}**

**}**

A. 10

B. 20

C. 30

D. 40

E. None of these

**Answer: Option D**

# What will be the output?

**class A{**

**static void method(){**

**System.out.println("Class A method");**

**}**

**}**

**class B extends A{**

**static void method(){**

**System.out.println("Class B method");**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**A a = new B();**

**a.method();**

**}**

**}**

A. Class A method // static can’t overrite

B. Class B method

C. Compilation Error

D. Runtime Error

E. None of these

**Answer: Option A**

# 7. \_\_\_\_\_\_\_\_\_\_\_\_ method cannot be overridden.

A. super

B. static

C. final

D. private

E. None of these

**Answer: Option C**

# 8. What will be the output?

**class A{**

**int i = 10;**

**public void printValue(){**

**System.out.print("Value-A");**

**}**

**}**

**class B extends A{**

**int i = 12;**

**public void printValue(){**

**System.out.print("Value-B");**

**}**

**}**

**public class Test{**

**public static void main(String args[]){**

**A a = new B();**

**a.printValue();**

**System.out.print(a.i);**

**}**

**}**

A. Value-B 11

B. Value-B 10

C. Value-A 10

D. Value-A 11

E. None of these

**Answer: Option B**

# 9. What is the output for the below code?

**public class Test{**

**public static void printValue(int i, int j, int k){**

**System.out.println("int");**

**}**

**public static void printValue(byte...b){**

**System.out.println("long");**

**}**

**public static void main(String... args){**

**byte b = 9;**

**printValue(b,b,b);**

**}**

**}**

A. long

B. int

C. Compilation fails

D. Compilation clean but throws RuntimeException

E. None of these

**Answer: Option B**

# 10. Determine output:

**class A{**

**public void printValue(){**

**System.out.println("Value-A");**

**}**

**}**

**class B extends A{**

**public void printNameB(){**

**System.out.println("Name-B");**

**}**

**}**

**class C extends A{**

**public void printNameC(){**

**System.out.println("Name-C");**

**}**

**}**

**public class Test{**

**public static void main (String[] args){**

**B b = new B();**

**C c = new C();**

**newPrint(b);**

**newPrint(c);**

**}**

**public static void newPrint(A a){**

**a.printValue();**

**}**

**}**

A. Value-A Name-B

B. Value-A Value-A

C. Value-A Name-C

D. Name-B Name-C

E. None of these

**Answer: Option B**

# 11. What is the output for the below code ?

**class A{**

**private void printName(){**

**System.out.println("Value-A");**

**}**

**}**

**class B extends A{**

**public void printName(){**

**System.out.println("Name-B");**

**}**

**}**

**public class Test{**

**public static void main (String[] args){**

**B b = new B();**

**b.printName();**

**}**

**}**

A. Value-A

B. Name-B

C. Value-A Name-B

D. Compilation fails - private methods can't be override

E. None of these

**Answer: Option B**

# 12. What is the output for the below code ?

**class A{**

**public A(){**

**System.out.println("A");**

**}**

**public A(int i){**

**this();**

**System.out.println(i);**

**}**

**}**

**class B extends A{**

**public B(){**

**System.out.println("B");**

**}**

**public B(int i){**

**this();**

**System.out.println(i+3);**

**}**

**}**

**public class Test{**

**public static void main (String[] args){**

**new B(5);**

**}**

**}**

A. A B 8

B. A 5 B 8

C. A B 5

D. B 8 A 5

E. None of these

**Answer: Option A**