**Core Java, Quiz-6, Date: 20/09/2018**

1. Determine output:

**public class Test{**

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

**int i;**

**for(i = 1; i < 6; i++){**

**if(i > 3) continue ;**

**}**

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

**}**

**}**

A. 2

B. 3

C. 4

D. 5

**E. 6**

2. In java, ............ can only test for equality, whereas .......... can evaluate any type of the Boolean expression.

**A. switch, if**

B. if, switch

C. if, break

D. continue, if

3. What will be the output of the following program?

**public class Test{**

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

**int i = 0, j = 5 ;**

**for( ; (i < 3) && (j++ < 10) ; i++ ){**

**System.out.print(" " + i + " " + j );**

**}**

**System.out.print(" " + i + " " + j );**

**}**

**}**

**A. 0 6 1 7 2 8 3 8**

B. 0 6 1 7 2 8 3 9

C. 0 6 1 5 2 5 3 5

D. Compilation Error

# 4. 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

5. Determine output:

**public class Test{**

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

**int i, j;**

**for(i=1, j=0;i<10;i++) j += i;**

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

**}**

**}**

**A. 10**

B. 11

C. 9

D. 20

E. None of these

6. What will be the output?

**public class Test{**

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

**int x=10, y=0;**

**if(x && y){**

**System.out.print("TRUE");**

**}**

**else{**

**System.out.print("FALSE");**

**}**

**}**

**}**

A. FALSE

B. TRUE

**C. Compilation Error**

D. Runtime Error

7. What will be the value of y after execution of switch statement?

**public class Test{**

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

**int x = 3, y = 4;**

**switch(x + 3){**

**case 6: y = 0;**

**case 7: y = 1;**

**default: y += 1;**

**}**

**}**

**}**

A. 1

**B. 2**

C. 3

D. 4

E. 0

8. What is the printout of the following switch statement?

**char ch = 'a';**

**switch (ch){**

**case 'a':**

**case 'A': System.out.print(ch); break;**

**case 'b':**

**case 'B': System.out.print(ch); break;**

**case 'c':**

**case 'C': System.out.print(ch); break;**

**case 'd':**

**case 'D': System.out.print(ch);**

**}**

A. abcd

B. aa

**C. a**

D. ab

E. abc

9. How many times will the following code print "Welcome to Examveda"?

**int count = 0;**

**do {**

**System.out.println("Welcome to Examveda");**

**count++;**

**} while (count < 10);**

A. 8

B. 9

**C. 10**

D. 11

E. 0

10. Choose the correct statement in context of the following program code.

**public class Test{**

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

**double sum = 0;**

**for(double d = 0; d < 10;){**

**d += 0.1;**

**sum += sum + d;**

**}**

**}**

**}**

A. The program has a compile error because the adjustment is missing in the for loop.

B. The program has a compile error because the control variable in the for loop cannot be of the double type.

C. The program runs in an infinite loop because d<10 would always be true.

**D. The program compiles and runs fine.**

11. Which of the following for loops will be an infinite loop?

A. for(; ;)

B. for(i=0 ; i<1; i--)

C. for(i=0; ; i++)

**D. All of the above**

12. What will be the result of the following code?

**public class Test{**

**static public void main(String args[]){ //line 2**

**int i, j;**

**for(i=0; i<3; i++){**

**for(j=1; j<4; j++){**

**i%=j;**

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

**}**

**}**

**}**

**}**

A. 1 2 3 1

B. 1 2 3 2

**C. Repeatedly print 1 2 3 and cause infinite loop.**

D. Compilation fails because of line 2

E. None of these

13. What is the value of a[1] after the following code is executed?

**int[] a = {0, 2, 4, 1, 3};**

**for(int i = 0; i < a.length; i++)**

**a[i] = a[(a[i] + 3) % a.length];**

A. 0

**B. 1**

C. 2

D. 3

E. 4

14. What will be the result of compiling and runnig the following code:

**public class Test{**

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

**Integer i = 34;**

**int l = 34;**

**if(i.equals(l)){**

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

**}else{**

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

**}**

**}**

**}**

**A. true**

B. false

C. Compiler error

D. None of these

15. What all gets printed when the following program is compiled and run.

**public class Test{**

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

**int i, j=1;**

**i = (j>1)?2:1;**

**switch(i){**

**case 0: System.out.println(0); break;**

**case 1: System.out.println(1);**

**case 2: System.out.println(2); break;**

**case 3: System.out.println(3); break;**

**}**

**}**

**}**

A. 0

B. 1

C. 2

D. 3

**E. 1 2**

16. What all gets printed when the following program is compiled and run?

**public class Test{**

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

**int i=0, j=2;**

**do{**

**i=++i;**

**j--;**

**}while(j>0);**

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

**}**

**}**

A. 0

B. 1

**C. 2**

D. The program does not compile because of statement "i=++i;"

E. None of these

17. What will be the output?

**public class Test{**

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

**int i = 1;**

**do{**

**i--;**

**}while(i > 2);**

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

**}**

**}**

A. 1

B. 2

C. -1

**D. 0**

E. None of these

18. Which option, inserted at line 4, produces the output 12?

**1. public class Test{**

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

**3. int x = 0;**

**4. // insert code here**

**5. do{ } while(x++ < y);**

**6. System.out.println(x);**

**7. }**

**8. }**

A. int y = x;

B. int y = 10;

**C. int y = 11;**

D. int y = 12;

E. None of the above will allow compilation to succeed.

19. What will be the result?

**1. int i = 10;**

**2. while(i++ <= 10){**

**3. i++;**

**4. }**

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

A. 10

B. 11

C. 12

**D. 13**

E. Line 5 will be never reached.

**20. 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

# 21.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

# **22.** 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

23. 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

# 24. 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

# 25. 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**

B. Class B method

C. Compilation Error

D. Runtime Error

E. None of these

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

A. super

B. static

**C. final**

D. private

E. None of these

# 27. 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

# 28. 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

# 29. 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");**

**}**

**}**

**1. public class Test{**

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

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

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

**5. newPrint(b);**

**6. newPrint(c);**

**7. }**

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

**9. a.printValue();**

**10. }**

**11. }**

A. Value-A Name-B

**B. Value-A Value-A**

C. Value-A Name-C

D. Name-B Name-C

E. None of these

# 30. 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