**1**.Determine the output

PSVM()

{

try{

int a = 5;

int b = 0;

int c = a/b;

SOP(“World”);

}

Catch(exception e)

{

SOP(“hello”);

}}

a)hello

b)World

c)World hello

d)Will give runtime error

Answer:a

**2**.What is Proper order of access modifier

a) private default protected public

b) default private protected public

c) public private default protected

d) public private protected default

Answer:a

**3**.The code snippet below is an example of which of the following?

Long myLong = 21l;

A Autoboxing

B Autounboxing

C Autocasting

D Autoinstancing

Answer:a

**4**.

1. interface TestA { String toString(); }

2. public class Test {

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

4. System.out.println(new TestA() {

5. public String toString() { return "test"; }

6. });

7. }

8. }

What is the result?

A. test

B. null

C. An exception is thrown at runtime.

D. Compilation fails because of an error in line 1.

E. Compilation fails because of an error in line 4.

F. Compilation fails because of an error in line 5.

Answer:a

**5**.Determine the output

int a = 9;

int b = 14;

while(a<b) {

System.out.println("In the loop");

a+=2;

b-=2;

}

a)In the loop

In the loop

b)In the loop

c)none of the above

Answer:b

**6**.What is the output of this program?

Import java.util.\*

Public static void main(String args[]){

TreeMap obj = new Treemap();

Obj.put(“A”, newInteger(1));

Obj.put(“b”, newInteger(2));

Obj.put(“c”, newInteger(3));

SOP(obj.entrySet());

}

a)[A=1, b=2, c=3]  
  
b)[A=1, B=2, C=3]  
  
c)will not execute  
**Answer**:a

**7**.Which implementation of set would you choose if you want the iterator of set

would give you object in the order it were inserted?

a)LinkedHashSet

b)TreeSet

c)HashSet

**Answer**:a

**8**. How can you retrieve information from a ResultSet?

(a) By invoking the method get(..., String type) on the ResultSet, where type is the database

type

(b) By invoking the method get(..., Type type) on the ResultSet, where Type is an object

which represents a database

type

(c) By invoking the method getValue(...), and cast the result to the desired Java type.

(d) By invoking the special getter methods on the ResultSet: getString(...), getBoolean (...),

getClob(...),...

**Answer**:d

**9**.Determine the output

import java.util.\*;

class TestHashMaps{

public static void main(String args[]) {

HashMap<Integer,String> hm= new HashMap<Integer,String> ();

hm.put(100, "John");

hm.put(101, "Paul");

hm.put(102, "George");

hm.put(103, "Ringo");

for (Map.Entrym: hm.entrySet()) {

System.out.println(m.getKey() + " " + m.getValue());

}

}

}

a) 100 John

101 Paul

102 George

103 Ringo

b)103 Ringo

102 George

101 Paul

100 John

c)none of the above

**Answer**:a

**10**.Determine the output

import java.util.Map;

import java.util.TreeMap;

public class TestTreeMap {

public static void main(String args[]) {

TreeMap< Integer, String > hm= new TreeMap< Integer, String > ();

hm.put(100, "John");

hm.put(102, "Paul");

hm.put(101, "George");

hm.put(103, "Ringo");

for (Map.Entry m: hm.entrySet()) {

System.out.println(m.getKey() + " " + m.getValue());

}

}

}

a)100 John

101 George

102 Paul

103 Ringo

b)a) 100 John

101 Paul

102 George

103 Ringo

c)103 Ringo

102 George

101 Paul

100 John

d)none of the above

Answer:a

**11**.What is the result?

5. import java.util.\*;

6. public class SortOf {

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

8. ArrayList<Integer> a = new ArrayList<Integer>();

9. a.add(1); a.add(5); a.add(3);

11. Collections.sort(a);

12. a.add(2);

13. Collections.reverse(a);

14. System.out.println(a);

15. }

16. }

A. [1, 2, 3, 5]

B. [2, 1, 3, 5]

C. [2, 5, 3, 1]

D. [5, 3, 2, 1]

E. [1, 3, 5, 2]

F. Compilation fails.

G. An exception is thrown at runtime.

**Answer**:C

**12**. class BabyRaccoon extends Mammal { }

Which four statements are true? (Choose four.)

A. Raccoon is-a Mammal.

B. Raccoon has-a Mammal.

C. BabyRaccoon is-a Mammal.

D. BabyRaccoon is-a Raccoon.

E. BabyRaccoon has-a Mammal.

F. BabyRaccoon is-a BabyRaccoon.

**Answer**: A,B,C,F

**13**. Which Man class properly represents the relationship "Man has a best friend who is

a Dog"?

A. class Man extends Dog { }

B. class Man implements Dog { }

C. class Man { private BestFriend dog; }

D. class Man { private Dog bestFriend; }

E. class Man { private Dog<bestFriend>; }

F. class Man { private BestFriend<dog>; }

**Answer**:D

**14**.What is the result?

11. class Alpha {

12. public void foo() { System.out.print("Afoo "); }

13. }

14. public class Beta extends Alpha {

15. public void foo() { System.out.print("Bfoo "); }

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

17. Alpha a = new Beta();

18. Beta b = (Beta)a;

19. a.foo();

20. b.foo();

21. }

22. }

A. Afoo Afoo

B. Afoo Bfoo

C. Bfoo Afoo

D. Bfoo Bfoo

E. Compilation fails.

F. An exception is thrown at runtime.

**Answer**:D

**15**. Which code fragment, inserted at line 23, allows the code to compile?

5. import java.util.Date;

6. import java.text.DateFormat;

21. DateFormat df;

22. Date date = new Date();

23. // insert code here

24. String s = df.format(date);

A. df = new DateFormat();

B. df = Date.getFormat();

C. df = date.getFormat();

D. df = DateFormat.getFormat();

E. df = DateFormat.getInstance();

**Answer**:E

**16**. What is the result?

1. public class Base {

2. public static final String FOO = "foo";

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

4. Base b = new Base();

5. Sub s = new Sub();

6. System.out.print(Base.FOO);

7. System.out.print(Sub.FOO);

8. System.out.print(b.FOO);

9. System.out.print(s.FOO);

10. System.out.print(((Base)s).FOO);

11. } }

12. class Sub extends Base {public static final String FOO="bar";}

A. foofoofoofoofoo

B. foobarfoobarbar

C. foobarfoofoofoo

D. foobarfoobarfoo

E. barbarbarbarbar

F. foofoofoobarbar

G. foofoofoobarfoo

**Answer**:D

**17**. A company has a business application that provides its users with many different

reports:

receivables reports, payables reports, revenue projects, and so on. The company has just

purchased some new, state-of-the-art, wireless printers, and a programmer has been

assigned the

task of enhancing all of the reports to use not only the company's old printers, but the new

wireless printers as well. When the programmer starts looking into the application, the

programmer

discovers that because of the design of the application, it is necessary to make changes to

each

report to support the new printers. Which two design concepts most likely explain this

situation?

(Choose two.)

A. Inheritance

B. Low cohesion

C. Tight coupling

D. High cohesion

E. Loose coupling

F. Object immutability

**Answer**:B,C

**18**.A team of programmers is reviewing a proposed API for a new utility class. After some

discussion,

they realize that they can reduce the number of methods in the API without losing any

functionality. If they implement the new design, which two OO principles will they be

promoting?

A. Looser coupling

B. Tighter coupling

C. Lower cohesion

D. Higher cohesion

E. Weaker encapsulation

F. Stronger encapsulation

**Answer**:A

**19**. A team of programmers is involved in reviewing a proposed design for a new utility

class. After

some discussion, they realize that the current design allows other classes to access methods

in

the utility class that should be accessible only to methods within the utility class itself. What

design

issue has the team discovered?

A. Tight coupling

B. Low cohesion

C. High cohesion

D. Loose coupling

E. Weak encapsulation

F. Strong encapsulation

**Answer**:E

**20**. A programmer has an algorithm that requires a java.util.List that provides an efficient

implementation of add(0, object), but does NOT need to support quick random access. What

supports these requirements?

A. java.util.Queue

B. java.util.ArrayList

C. java.util.LinearList

D. java.util.LinkedList

**Answer**:D

**21**. What is the output of this program?

import java.util.\*;

class Collection\_Algos {

public static void main(String args[])

{

LinkedList list = new LinkedList();

list.add(new Integer(2));

list.add(new Integer(8));

list.add(new Integer(5));

list.add(new Integer(1));

Iterator i = list.iterator();

Collections.reverse(list);

Collections.shuffle(list);

while(i.hasNext())

System.out.print(i.next() + " ");

}

}

a) 2 8 5 1

b) 1 5 8 2

c) 1 2 5 8

d) Any random order

**Answer**:d

**22**.Which of these methods are used to read in from

file?

a) get()

b) read()

c) scan()

d) readFileInput()

**Answer**:b

**23**.What is the otuput of the below code?

interface A{}

class C{}

class D extends C{}

public class Test extends D{

public static void main(String[] args) {

Test t = new Test();

if(t instanceof A){

System.out.println("instance of A");

}else if(t instanceof C)

{

System.out.println("instance of C");

}

else if(t instanceof D)

{

System.out.println("instance of D");

}

else{

System.out.println("Hello World");

}

}

}

}

A) instance of A

instance of D

B) instance of C

instance of D

C) instance of C

D) Compilation Fails

**Answer**:C

**24**.class Parent{

void method(){

System.out.println("Parent");

}

}

class Child extends Parent{

void method(){

System.out.println("Child");

}

public static void main(String[] args) {

Parent p = new Parent();

Child c = (Child)p;

c.method();

}

}

A) Child

B) Parent

C) Compilation fails

D) ClassCastException thrown at runtime

**Answer**:D

**25**.Determine the output

class Animal

{

String name = "animal";

String makeNoise() { return "generic noise"; }

}

class Dog extends Animal

{

String name = "dog";

String makeNoise() { return "bark"; }

}

public class Test

{

public static void main(String[] args)

{

Animal an = new Dog();

System.out.println(an.name+" "+an.makeNoise());

}

}

A) animal generic noise

B) animal bark

C) dog bark

D) dog generic noise

Answer:B

**26**.What is the output of the below code:

interface A{

void method();

}

class Test{

public void method(){

System.out.println("call from a method");

}

public static void main(String[] args) {

A a =(A) new Test();

a.method();

}

}

A) call from a method

B) No output at console

C) Compilation fails

D) Exception is thrown at Runtime

**Answer**:D

**27**.Which of the following lines will allow the code to execute the program?

abstract class MyClass{

abstract int m();

}

interface MyInterface{

public int m();

}

public class Test extends MyClass implements MyInterface{

//code to execute

}

A) int m(){}

int m(){}

B) int m(){}

int MyInterface.m(){}

C) int m(){}

D) None of the above

**Answer**:C

**28**.What is the output for the below code ?

public interface TestInf {

int i =10;

}

public class Test {

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

TestInf.i=12;

System.out.println(TestInf.i);

}

}

A) 10

B) 12

C) compile time error

D) run time error

**Answer**:C

**29**.Which Man class properly represents the relationship "Man has a best friend who is a Dog"?

A) class Man extends Dog { }

B) class Man implements Dog { }

C) class Man { private BestFriend dog; }

D) class Man { private Dog bestFriend; }

E) class Man { private Dog<bestFriend>; }

**Answer**:D

**30**.Which three are true? (Choose three.)

10. interface Jumper { public void jump(); } ...

20. class Animal {} ...

30. class Dog extends Animal {

31. Tail tail; 32. } ...

40. class Beagle extends Dog implements Jumper{

41. public void jump() {}

42. } ...

50. class Cat implements Jumper{

51. public void jump() {}

52. }

A. Cat is-a Animal

B. Cat is-a Jumper

C. Dog is-a Animal

D. Dog is-a Jumper

E. Cat has-a Animal

F. Beagle has-a Tail

G. Beagle has-a Jumper

A) A,B,D

B) AF,G

C) B,F,G

D) B,C,F

E) E,F,G

**Answer**:D