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| **Name:** | **Emp.ID:** | **Subject:** |
| **Company Name:** | **Max Marks Obtained:** | **Actual Marks:** |
| **Trainer Name:** | **Duration:** | **Email-Id:** |

**Note:** *Overwriting is disallowed; any overwriting will be subject to deduction of Marks.*

1. To implement Multithreading what are the methods?

a) notify, notifyAll, wait b) suspend,stop,run c) notify, run, start d) only a & c

Ans: {d}

2. To achieve Abstraction what is the keyword?

a.public b.default c.protected d.private

Ans: {private}

3. What will be the Output of the given program?

import java.io.\*;

class Super

{void show()

{ System.out.println("parent"); }

}

public class Sub extends Super

{ void show() throws IOException

{ System.out.println("child"); }

public static void main( String[] args ){

Super s = new Sub();

s.show();} }

|  |  |
| --- | --- |
| **A.** Compilation error | **B.** child |
| **C.** parent | **D.** None of above |

Ans:{A}

4. class OutPut Ex{

public static void main(String args[]){

String Buffer s1 = new StringBuffer("Hello world");

s1.insert(6,"Good");

SOP(s1);

}

}

a) Hello GoodWorld b) Hello World c) compile time error d) HelloGoodWorld

Ans: {a}

5. Which of the following methods are defined in class thread?

1. start(),sleep() b) wait(),notify() c) run(),currentThread() d) ALL

Ans:{c}

6. Assume the following method is properly synchronized and called from a thread A on an object B:

wait(2000);

After calling this method, when will the thread A become a candidate to get another turn at the CPU?

a) After the lock on B is released, or after two seconds.

b) Two seconds after thread A is notified.

c) After thread A is notified, or after two seconds.

d) Two seconds after lock B is released.

Ans: {c}

7. public class Question {

public static void main(String args[]) {

String s1 = "uvw";

String s2 = "xyz";

String s3= s1.concat(s2.toUpperCase( ));

System.out.println(s1+s2+s3);

} }

1. uvwXYZ b) uvwxyzXYZ c) uvwXYZuvwxyz d) uvwxyzuvwXYZ

Ans: {d}

8. What Exception is thrown when you start a thread twice ?

|  |  |
| --- | --- |
| **A.** InterruptedException | **B.** NullPointerException |
| **C.** IOException | **D.** IllegalStateException |

Ans : {D}

9. What will be the Output of given code ?

public class Test implements Runnable

{public void run(){

System.out.println("r1 ");

System.out.println("r2 "); }

public static void main( String[] args )

{ Thread t = new Thread(new Test());

t.start();

System.out.println("m1 ");

t.join();

System.out.println("m2 "); }}

|  |  |
| --- | --- |
| **A.** compilation error. | **B.** r1 r2 m1 m2 |
| **C.** m1 m2 r1 r2 | **D.** m1 r1 r2 m2 |

Ans: {D}

10) Does the Hashtable allows the null values as Key?

a) True b) False

Ans:{b}

11) What is the output of this program?

import java.util.\*

class Test{

Public static void main(String args[]){

TreeMap obj = new Treemap();

obj.put(“a”, new Integer(1));

obj.put(“b”, new Integer(2));

obj.put(“c”, new Integer(3));

sop(obj.entrySet());

}}

a) [a=1, b=2, c=3] b) compile time Error c) Exception d) [1=a,2=b,3=c]

Ans: {a}

12. java.util.\*;

class vector

{

public static void main(String args[])

{

Vector obj = new Vector(4,2);

obj.addElement(new Integer(3));

obj.addElement(new Integer(2));

obj.addElement(new Integer(5));

obj.removeAll(obj);

System.out.println(obj.isEmpty());

} }

1. 0 b)1 c)true d)false

Ans:{c}

13) What will be the output of the program?

try

{

int x = 0;

int y = 5 / x;

}

catch (Exception e)

{

System.out.println("Exception");

}

catch (ArithmeticException ae)

{

System.out.println(" Arithmetic Exception");

}

System.out.println("finished");

A. finished

B. Exception

C. Compilation fails.

D. Arithmetic Exception.

Ans: {B}

14) Which mechanism is used when a thread is paused running in its critical section and another thread is allowed to enter (or lock) in the same critical section to be executed?

a) Inter-thread communication b) Initial-thread communication

c) Mutual Exclusive d) None the above

Ans: {c}

15) Which method returns a reference to the currently executing thread object?

a) currentThread() b) runningThread()

c) runnableThread() d) None of the above

Ans: {a}

16**) How to make user-defined class as Serializable class? (Add a new page and write it)**

17) Which of these handles the exception when no catch is used?

1. default handler b)finally c) Throw handler d) java run time system.

Ans: {d}

18) class Hello

{

Public static void main (String args[])

{

S.O.P (“1”+new integer(2) +3+4);

}

}

1. 1234 b) 127 c)19 d)154

Ans: {c}

19) Class VectorEx {

PSVM(String args[])

Vector obj = new vector(4,2);

Obj.add element(new Interger(3));

Obj.add element(new Interger(2));

Obj.add element(new Interger(5));

Obj.removeAll(obj);

SOP(obj.isEmpty());

}

1. True b) false c) Compile time Error d) Run time Exception

ANS: {c}

20)class A{

public static void main(String args[]) {

try {

int a,b;

b = 0;

a = 5/b;

System.out.print("A");

}catch(ArithmeticException e) {

System.out.print("B");}

finally {

System.out.print("C");

}}}}

a) A b) B c) AC d) BC

Ans: {d}

|  |
| --- |
| **21)** Which interface provides the capability to store objects using a key-value pair? |
| |  |  | | --- | --- | | a) | Java.util.Map b) java.util.Set c) java.util.Scanner d) java.util.Collection.- | |

**Ans: {a}**

**22)** StringBuffer s1 = new StringBuffer(“Hello”);

StringBuffer s2 = s1.reverse();

SOP(s2);

1. **compile time error b)Exception c) Hello d) olleH**

**Ans: {a}**

|  |
| --- |
| **23) Which class does not override the equals() and hashCode() methods, inheriting them directly from class Object?** |
| |  |  | | --- | --- | | a) | java.lang.String b) java.lang.Double c) java.lang.StringBuffer d)java.lang.Character | |  |  | |
| Ans: {c} |

24) **Which of the following are Java reserved words?**

1. run b) import c)default d) implement e)extend
2. a & b B)b & c C)c & d D)d &e E)all of the above

Ans : {B}

25) public class Test

{

public static void main (String args[])

{

String str = NULL;

System.out.println(str);

}

}

a)NULL b)compile time error c) executes but no output d) runtime exception

Ans: {d}

26) What will be the output of the program?

TreeSet map = new TreeSet();

map.add("one");

map.add("two");

map.add("three");

map.add("four");

map.add("one");

Iterator it = map.iterator();

while (it.hasNext() )

{

System.out.print( it.next() + " " );}}

|  |
| --- |
| Ans: four one three two  27) Which class or interface defines the wait(), notify(),and notifyAll() methods? |
| 1. Object b) Thread c) Runnable d) Scanner   Ans: {a} |

28)in System.out.println(“hello world”); println is which class method?

a) Object b) System c)String d) PrintStream

Ans: {d}

29) How to achieve serialization in java?

a)extends serialization b)implements Serializable c)implements serialize d)none ofthe above

Ans: {b}

30) **Write a Program for user defined exception? (Add a new page and write it)**

**31)write a program to for serialization and deserialization?**