



MIDTERM EXAMINATION
Fall 2008
CS506- Web Design and Development (Session - 2)

Time: 60 min
M a r k s: 38

Question No: 1 (M a r k s: 1)

Which of the following methods are invoked by the AWT to support paint and repaint operations?

- ▶ paint()
- ▶ repaint()
- ▶ draw()
- ▶ redraw()

Question No: 2 (M a r k s: 1)

When defining a method you must include a _____ to declare any exception that might be thrown but is not caught in the method.

- ▶ try block
- ▶ finally block
- ▶ catch block
- ▶ throws-clause

Question No: 3 (M a r k s: 1)

Aside from the Scanner class, which of the following classes can be used for text-file file input?

<http://www.vchowk.com>

- ▶ ObjectInputStream
- ▶ BufferedReader
- ▶ StringTokenizer
- ▶ None of these

Question No: 4 (M a r k s: 1)

Which of the following statements is true regarding Vectors with no specified base type?

- ▶ A base type is needed, because Java needs to know how to allocate memory.

► No base type is needed, because Java will use the Object class as a base type.

► If a base type is not specified the code will not compile.

► No base type is needed because Vectors default to storing String objects.

Question No: 5 (Marks: 1) <http://www.vchawk.com>

A serializable class must implement the method(s) _____.

► readObject and writeObject

► Either readObject or writeObject, or both, depending upon the desired behavior

► No need to implement any method

► None of the given option

Question No: 6 (Marks: 1)

You can -----to a network using sockets.

► Read

► Write

► Read/Write

► None of these

Question No: 7 (Marks: 1)

<http://www.vchawk.com>

Socket is a -----communication channel between hosts.

► Uni-directional

► Bi-directional

► Multi-directional

► None of these

Question No: 8 (Marks: 1)

Which of the following are passed as an argument to the paint () method?

► A Canvas object

► A Graphics object

► An Image object

► A paint object

Question No: 9 (Marks: 1)

The code below draws a line. What color is the line?

```
g.setColor(Color.red.green.yellow.red);
```

```
g.drawLine(0, 0, 100,100);
```

► Red

► Green

► Yellow

► Black

Question No: 10 (Marks: 1)

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To create DataBaseMetaData object we write following line of code

- ▶ DataBaseMetaData db = con.getMeataData();
- ▶ ResultSetMetaData rsmd = rs.getMetaData();
- ▶ ResultSetMetaData rsmd = rs.setMetaData();
- ▶ DataBaseMetaData db = con.setMeataData();

Question No: 11 (Marks: 1)

Event source can have ----- listeners registered on it.

- ▶ Single
- ▶ Double
- ▶ Triple
- ▶ Multiple

Question No: 12 (Marks: 1)

Anabstractclass -----instantiated.

- ▶ Can't be
- ▶ Can be
- ▶ Must
- ▶ None of these

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Question No: 13 (Marks: 1)

A _____ defines the way and method of communication between two parties.

- ▶ Compiler
- ▶ Protocol
- ▶ Tool
- ▶ Technique

Question No: 14 (Marks: 1)

What if the static modifier is removed from the signature of the main method?

- ▶ The program does not compile
- ▶ The program compiles but does not run
- ▶ The program compiles and runs properly
- ▶ The program throws an exception on compile time

Question No: 15 (Marks: 1)

What if the main method is declared as private?

- ▶ The program does not compile
- ▶ The program compiles but does not run
- ▶ The program compiles and runs properly
- ▶ The program throws an exception on compile time

Question No: 16 (Marks: 1)

A member variable or method prefixed by the **protected** access modifier can be accessed:

- ▶ Within the same class
- ▶ Within the sub-class
- ▶ Within the same package
- ▶ All of the above

Question No: 17 (Marks: 1)

What is the typical use of Hashtable?

Question No: 18 (Marks: 1)

Why we use paintChildren() method?

Question No: 19 (Marks: 2)

Write any two steps of painting strategy.

Question No: 20 (Marks: 3)

Name three paint () methods which are used to paint Swing Component.

Question No: 21 (Marks: 5)

Differentiate between Named and Anonymous Objects.

Question No: 22 (Marks: 10)

Following are the contents of file1.txt

My name is ali.

My roll no is bc020400001.

I am studying java.

Java is very easy.

You are required to write a code which will read this file and create a new file in which lines would be swapped in such a way that first line would be swapped with 2nd and 3rd with 4th and so on.

New file should look like:

My roll no is bc020400001.

My name is ali.

Java is very easy.

I am studying java.

<http://www.vchowk.com>

(5 Marks file handling, 5 Marks swapping)