Chapter 1 - Let's Start

Question 1:

A source file that has a package declaration, an import statement and a class declaration has them in the following order:

()   (A)   Package declaration, import statement, class declaration.

()   (B)   Import statement, package declaration, class declaration

()   (C)   The class declaration must be first. The other two order isn't important

()   (D)   The import statement must be first. The other two order isn't important

()   (E)   The order isn't important

()   (F)   The package declaration and the import statement must be before the class declaration. It isn't important whether the import statement is shown before the package declaration or after it.

Question 2:

True or false:

As writing an applet it is necessary to declare the method main.

()   A)   True

()   B)   False

Question 3:

True or false:

As writing a program in Java the import to the java.lang package is done automatically.

() A) True
() B) False

Question 4:

True or false:

In the installation process of the JDK in your computer it is necessary to change the path environment variable, and it is recommended to do it in the autoexec.bat file (in windows systems) in order to make it possible to develop Java programs in different directories.

() A) True
() B) False

Question 5:

True or false:

The remark type, that the javadoc program uses, begins with /** and ends with */.

() A) True
() B) False

Question 6:

Why is it possible run a Java program on any platform without the need for re-compilation ?

()   A)   Java is a simple language.

()   B)   Java has a fully known specification.

()   C)   Java doesn't use pointers

()   D)   Java is very popular

()   E)   The JVM for each platform interprets the Java bytecode and translates them to the platform specific calls.

Question 7:

True or false:

There is no difference between the JDK(Java Development Kit) and the Java Language ?

()   A)   True

()   B)   False

Question 8:

True or false:

The size of the int variable in a Java program depends on the operating system.

()   A)   True

()   B)   False

Question 9:

True or false:

The size of the int variable in a Java program depends on the compiler.

()   A)   True
()   B)   False

Question 10:

True or false:

The size of the int variable in a Java program depends on the JVM.

()   A)   True
()   B)   False

Question 11:

True or false:

The Java Language is a programming language that has a complete definition in the Java Language specification, and the JDK is a development environment that enables compilation and running Java programs.

()   A)   True
()   B)   False

Question 12:

True or false:

The Java Language is a programming language that can be used only for internet purposes.

()   A)   True
()   B)   False

Question 13:

Why is it possible to run a Java program on any platform without recompilation ?

()   A)   Because the Java specification are known to everyone.

()   B)   Because java doesn't use pointers.

()   C)   Because java is a simple language.

()   D)   Because the Java is an open-source development language.

()   E)   Because a JVM for each platform interprets the java bytecode to the platform

        specific calls.

Question 14:

True or False:

The JDK is another name that the Java language has.

()   A)   True

()   B)   False

Question 15:

True or False:

Although the Java programming language is operation system independent, the GUI that it produces might be dependent on the operating system on which the code is executed.

()   A)   True

()   B)   False

Question 16:

Which of the following statements (one or more) is true ?

[]   A)   The JVM reads compiled byte code which are platform independent.

[]   B)   The JVM can be implemented as hardware.

[]   C)   The JVM can be implemented in Internet Explorer.

Question 17:

Ttrue or False:

The Java programming language removes the responsibility for deallocating memory from the programmer. It provides a system-level thread that tracks each memory allocation, and during its cycle it checks for memory that can be freed and frees it.

()   A)   True

()   B)   False

Question 18:

Which of the following sentences is true (one or more) ?

[]   A)   The java software source files (consist the text format in which the programmers
          wrote them) are converted into a set of bytecodes.

[]   B)   At runtime, the bytecodes are loaded, checked and run.

[]   C)   At runtime, the appropriately calls are made to the underlying system.

Question 19:

True or False:

The "HotSpot" is a new java virtual machine that has the potential to enable the java program to run as fast as compiled C++ program.

[]   A)   True

[]   B)   False

Question 20:

The Java Runtime Environment runs code compiled for the JVM and performs three main taskes:

Loading the code, Verifying it and finally execute it.

Which of the following sentences (one or more) is true ?

[]   A)   The class loader loads the local classes first and by that the risk of any Trojan

application is decreased.

[]   B)   The java bytecode verifier tests the format of the code fragments and checks for

illegal code.

Question 21:

Which of the following sentences (one or more) is true ?

[]   A)   The Java Virtual Machine exists only as a software that can run on PC.

[]   B)   The Java Virtual Machine exists also as a chip.

Question 22:

True or False:

Since the Java Virtual Machine specifications are known to every one it might be possible to create a compiler that will create a javabyte code out of a source code that wasn't written in Java.

[]   A)   True

[]   B)   False

Question 23:

True or False:

When declaring a class using the package statement all of the classes that belong to that package are imported automatically.

[]   A)   True

[]   B)   False

Question 24:

Which of the following sentences (one or more) is true ?

[]   A)   An application can be deployed without manipulating the CLASSPATH environment variable.

[]   B)   If the application is deployed as a JAR file, then that file should be copied into the following library: c:\jdk1.3\jre\lib\ext

[]   C)   If the application is deployed as an hierarchy of *.class files, then the complete package hierarchy should be placed under the following library: c:\jdk1.3\jre\classes

[]   D)   Prior to Java 2 SDK the CLASSPATH environment variable was required so it had to include the package path.

Question 25:

True or False:

Assuming class A uses class B, and the two classes are declared in two different files and in the same directory, compiling class A will start a compilation process on class B (in case it, still, hasn't been compiled).

[]   A)   True.

[]   B)   False.

Question 26:

True or False:

The keywords const and goto still exist.

[]   A)   True

[]   B)   False

Question 27:

True or False:

The keywords const and goto are not supported.

[]   A)   True

[]   B)   False