1.	Real-world objects contain and			
	a.	Fields, Methods		
	b.	Instances, Classes		
	C.	Strings, Ints		
	d. State, Behavior			
2.	A software object's state is stored in			
	a.	The class		
	b.	Fields		
	c.	The constructor		
	d.	Methods		
3.	A software object's behavior is exposed through			
	a.	Functions		
	b.	Methods		
	c.	Classes		
	d.	Variables		
4.	Hiding	internal data from the outside world, and accessing it only through publicly exposed		
	method	ds is known as data		
	a.	Encapsulation [This term is not on your exam but it is an important concept to know,		
		we hide internal data using the keyword private.]		
5.	A bluep	orint for a software object is called a		
	a.	Class		
	b.	Object		
	c.	Interface		
	d.	Abstract Class		
6.	Common behavior can be defined in a and inherited into a using the keyword.			
	a.	Superclass, Subclass, extends		
	b.	Superclass, Subclass, Implements		
	C.	Subclass, Superclass, extends		
	d.	Subclass, Superclass, Implements		
7.	A collection of methods with no implementation is called an			
	a.	Class		
	b.	Interface		
	c.	Object		
	d.	Abstract Class		
8.	A name	espace that organizes classes and interfaces by functionality is called a		
	a.	Package [Not on your exam, important to know.]		
9.	The ter	m API stands for?		
		Application Programming Interface [Not on your exam, important to know.]		
10.	The term "instance variable" is another name for			
	a.	Static field		
	b.	Non-Static field		
11.	The ter	m "class variable" is another name for		
	a.	Static Field		

b. Non-Static Field

12.	A local	variable stores temporary state; it is declared inside a
	a.	Method
	b.	Constructor
	c.	Class
	d.	Object
13.	A varia	ble declared within the opening and closing parenthesis of a method signature is
	called a	1 .
		Instance variable
	b.	String
		Object
		Parameter
1/1		re the eight primitive data types supported by the Java programming language?
17.	vviiata	Te the eight primitive data types supported by the sava programming language:
15.	Charac	ter strings are represented by the class
	a.	Java.lang.Object
	b.	Java.lang.util
	c.	Java.lang.String
	d.	Java.lang.Character
16.	An	is a container object that holds a fixed number of values of a single type.
		List
	b.	Array
		Variable
		Feild
17		rt the value of a Boolean, which operator would you use?
Ι/.	a.	
	b.	
	о. С.	·
	d.	
10		
10.		operator is used to compare two values?
	a.	
10	b.	
19.	•	the function of the following operators:
		&&
	b.	• •
20.		ost basic control flow statement supported by the Java programming language is the
		tement.
		If else
	b.	do while
	c.	is
	d.	in
21.	The	statement allows for any number of possible execution paths.
	a.	do-while
	b.	for
	c.	foreach
	d.	switch

22. The statement is similar to the while statement, but evaluates its expression at the of the loop.
a. do-while, bottom [this is not part of your exam, but I recommend trying out the do- while loop in you own time]
23. How do you write an infinite loop using the for statement?
24. How do you write an infinite loop using the while statement?

## 25. Consider the following class:

```
public class IdentifyMyParts {
  public static int x = 7;
  public int y = 3;
}
        a. What are the class variables?
        b. What are the instance variables?
        c. What is the output from the following code:
IdentifyMyParts a = new IdentifyMyParts();
IdentifyMyParts b = new IdentifyMyParts();
a.y = 5;
b.y = 6;
a.x = 1;
b.x = 2;
System.out.println("a.y = " + a.y);
System.out.println("b.y = " + b.y);
System.out.println("a.x = " + a.x);
System.out.println("b.x = " + b.x);
```

System.out.println("IdentifyMyParts.x = " + IdentifyMyParts.x);

```
26. What is wrong with the following interface?

public interface SomethingIsWrong {
    void aMethod(int aValue){
        System.out.println("Hi Mom");
    }
}
```

28. Is the following interface valid?

public interface Marker {

}