

1. Exposing only necessary functionality to user or client is known as
 - a. Encapsulation
 - b. Abstraction**
 - c. Inheritance
 - d. Polymorphism
2. Hiding internal data from the outside world, and accessing it only through publicly exposed methods is known as:
 - a. Encapsulation**
 - b. Abstraction
 - c. Inheritance
 - d. Polymorphism
3. A blueprint for a software object is called a:
 - a. Field
 - b. Method
 - c. Class**
 - d. Package
4. Java enables the creation of cross-platform programs by compiling into an intermediate representation called Java
 - a. Byte code**
 - b. MSIL code
 - c. Native code
 - d. Assembly code
5. Command to execute a compiled java program is
 - a. javac
 - b. java**
 - c. run
 - d. execute
6. Which of the following is smallest integer data type in java programming language?
 - a. byte**
 - b. short
 - c. int
 - d. long
7. Which of the following is not a primitive data type?
 - a. byte
 - b. boolean
 - c. char
 - d. String**
8. Which of the following is correct syntax for comments in java?
 - a. // This is a comment**
 - b. # This is a comment
 - c. 'This is a comment
 - d. /* This is a comment
9. Which of the following is not a keyword in java?
 - a. public

- b. static
- c. void
- d. main

10. Which of the list contains at least one word that is not a Java keyword?

- a. private, public, protected, final
- b. import, break, continue, switch, for, if, else
- c. int, long, float, double, char, string
- d. return, void, static, default

11. Which of the following keyword can be applied to top level class in Java?

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

12. Which of the following is not correct for a constructor in java?

- a. It is used to initialize object state
- b. It can be overloaded
- c. It does have return type
- d. It does have access to 'this' keyword

13.

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("Hello" + 1 + 2);  
    }  
}
```

What will be the output of above java program:

- a. Hello
- b. Hello3
- c. Hello12
- d. Compiler Error

14.

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println(1 + 2 + "Hello");  
    }  
}
```

What will be the output of above java program:

- a. 3Hello
- b. 12Hello
- c. Hello12
- d. Compiler Error

15.

```
public class Hello {  
    public static void main(String[] args) {  
        int a = 5; int b = 6;  
        double avg = (a + b) / 2;  
        System.out.println(avg);  
    }  
}
```

What will be the output of above java program:

- a. 5.0
- b. 5
- c. 5.5
- d. Compiler Error

16.

```
class Test{  
    public static void main(String args[]){  
        int num = 2;  
        switch(num){  
            case 1 : System.out.print("A");  
            case 2 : System.out.print("B");  
            case 3 : System.out.print("C");  
            default : System.out.print("D");  
        }  
    }  
}
```

What will be the output of above java program?

- a. B
- b. BC
- c. BCD
- d. ABCD

17.

```
class Test {  
    static{  
        System.out.print("P");  
    }  
  
    static void foo(){  
        System.out.print("Q");  
    }  
  
    public static void main (String[] args) {  
        System.out.print("R"); foo();  
    }  
  
    static{  
        System.out.print("S");  
    }  
}
```

What will be the output of above java program?

- e. PQRS
- f. PRQS
- g. RQPS
- h. PSRQ**

18. class Test {

```
    public static void main(String args[]){  
        String s1 = "P";  
        String s2 = "Q";  
        String s3 = "R";  
        s1=s2; s2=s3; s3=s1;  
        System.out.println(s1+s2+s3);  
    }  
}
```

What will be the output of above java program?

- a. PQR
- b. QRQ**

- c. PRP
- d. RQR

19. class Test{
 void f1(){System.out.print("P");}
 void f2(){System.out.print("Q");}
 String f3(){return "R";}

 public static void main(String args[]){
 Test t = new Test();
 t.f1();t.f2();t.f3();
 }
}

What will be the output of above program?

- a. PQR
- b. PQ**
- c. QR
- d. R

20. Which of the following is correct syntax to write for-loop in java?

- a. for(int i : 5) {System.out.println(i); i++;}
- b. for(int i =1;i<5;i++) {System.out.println(i); }
- c. for(int i=1; i<5) {System.out.println(i); i++;}
- d. for(int i=1;i<5;i++) {System.out.println(i);}**

21. Which of the following is a valid identifier in java?

- a. 123avg
- b. avgOf@5Number
- c. avgOf5 Number
- d. avgOf5Number**

22. Which of the following operator can be used to check equality of two primitive variables?

- a. =
- b. ==**
- c. <>
- d. ><

23. Which of the following is platform independent?

- a. Java Compiler
- b. Java Virtual Machine
- c. Java Development Kit
- d. None of these**

24. Which of the following loads class files into memory?

- a. Java Compiler
- b. Class Loader**
- c. Bytecode Verifier

d. Java Virtual Machine

25. What will be the output If below class is executed like: `java Hello 10 20 30`

```
class Hello{  
    public static void main(String args[]) {System.out.print(args[1]);}  
}
```

- a. 10
- b. 20**
- c. 30
- d. Runtime Error