

3CS1

CS306 COMPUTER WORKSHOP (JAVA)

Multiple Choice Questions

1. Which of the following option leads to the portability and security of Java?

- A. Bytecode is executed by JVM
- B. The applet makes the Java code secure and portable
- C. Use of exception handling
- D. Dynamic binding between objects

Answer: A

2. Which of the following is not a Java features?

- A. Dynamic
- B. Architecture Neutral
- C. Use of pointers
- D. Object-oriented

Answer: C

3. What will be the output of the following program?

```
public class Test {  
    public static void main(String[] args) {  
        int count = 1;  
        while (count <= 15) {  
            System.out.println(count % 2 == 1 ? "***" : "+++++");  
            ++count;  
        } // end while  
    } // end main  
}
```

- A. 15 times ***
- B. 15 times +++++
- C. 8 times *** and 7 times +++++
- D. Both will print only once

Answer: C

4. Which of the following for loop declaration is not valid?

- A. for (int i = 99; i >= 0; i / 9)
- B. for (int i = 7; i <= 77; i += 7)
- C. for (int i = 20; i >= 2; - -i)
- D. for (int i = 2; i <= 20; i = 2* i)

Answer: A

5. Which inheritance in java programming is not supported

- A. Multiple inheritance using classes
- B. Multiple inheritance using interfaces
- C. Multilevel inheritance
- D. Single inheritance

Answer: A

6. What is subclass in java?

- A. A subclass is a class that extends another class
- B. A subclass is a class declared inside a class
- C. Both above.
- D. None of the above.

Answer: A

7. If class B is subclassed from class A then which is the correct syntax

- A. `class B:A{}`
- B. `class B extends A{}`
- C. `class B extends class A{}`

D. class B implements A{}

Answer: B

8. Order of execution of constructors in Java Inheritance is

- A. Base to derived class
- B. Derived to base class
- C. Random order
- D. none

Answer: A

9. Java object oriented programming concepts is/are

- A. Encapsulation
- B. Inheritance
- C. Polymorphism
- D. All of the above.

Answer: D

10. Java does not support _____?

- A. Inheritance
- B. Multiple inheritance for classes

- C. multiple inheritance of interfaces
- D. compile time polymorphism

Answer: B

11. Runtime polymorphism feature in java is

- A. method overriding
- B. method overloading
- C. constructor overloading
- D. operator overloading

Answer: A

12. Hiding the complexity in program is known as

- A. Abstraction
- B. Encapsulation
- C. Data hiding
- D. Composition

Answer: B

13. Which keyword is used to declare an interface in java?

- A. class

- B. interface
- C. implements
- D. abstract

Answer: B

14. A java interface can contain ————

- A. public static Final Variables only
- B. public Abstract methods
- C. Abstract methods(unimplemented) and implemented methods both
- D. public static Final Variables and abstract methods both

Answer: D

15. Which is the correct way to inherit and implement the interface?

Consider an example, Interface is IAnimal and a class is Cat that wants to implement interface.

- A. class Cat implements IAnimal{}
- B. class Cat extends IAnimal{}
- C. class Cat import IAnimal{}
- D. None is correct

Answer: A

16. which of the following is true about methods in an interface in java?

- A. An interface can contain only abstract method.
- B. We can define a method in an interface
- C. Private and protected access modifiers can also be used to declare methods in interface
- D. None

Answer: A

17. What is the output of the below Java code with a FOR loop?

```
for(int i=1; i<5; i++)  
{  
    System.out.print(i +",");  
}
```

- A. 1,2,3,4,
- B. 1,2,3,4
- C. 1,2,3,4,5,
- D. 1,2,3,4,5

Answer: A

18. What is the output of the below Java code?

```
int score=1;
for(; true; score++)
{
    System.out.print(score + ",");
    if(score > 3)
        break;
}
```

- A. 1,2,3,
- B. 1,2,3
- C. 1,2,3,4,
- D. 1,2,3,4

Answer: C

19 What is the output of the below Java program with FOR loop?

```
for(int j=0; j<5;j++;)
    System.out.print(j + ",");
```


- A. 1,2,3,4,
- B. 0,1,2,3,4
- C. Compiler error
- D. None

Answer: C

20. What is the output of Java Enhanced FOR loop below?

String names[] = {"MOGLI", "SHAREKHAN", "BALU"};

```
for(String str: names)
{
    System.out.print(str + ",");
}
```

- A. MOGLI,
- B. MOGLI,SHAREKHAN,
- C. MOGLI,SHAREKHAN,BALU,
- D. Compiler error

Answer: C