OOPJ MID QUIZ AUGUST 24

1.

If an expression contains double, int, float, long, then the whole expression will be promoted into which of these data types?

a) long

b) int

c) double

d) float

2.

In java, gc() method is available in which package?

A) java.lang package

B) java.util package

C) java.awt package

D) java.io package

3.

What is the default value of an Enum in Java?

A) null

B) 0

C) An instance of the first constant in the Enum

D) An instance of the last constant in the Enum

4.

By default access modifier of the members of the class is _____.

A) private

B) package private

C) protected

D) public

5.

Which of the following statements is true about Java package access modifiers?

A) Packages can have public or private access modifiers

B) Packages can have protected or default access modifiers

C) Packages can have public, private, protected, or default access modifiers

D) Packages cannot have access modifiers

6.

Choose incorrect statement about constructor.

A) We can call constructor from another constructor explicitly.

B) We can call constructor on instance explicitly.

C) We can declare constructor private as well as protecteD)

D) We can overload constructor.

7.

Which component is responsible to optimize bytecode to machine code?

JVM

JDK

JIT

JRE

8.

If constructor arguments are passed to objects of array then _____ if the constructors are overloaded.

A) It is mandatory to pass same number of arguments to all the objects

B) It is mandatory to pass same type of arguments to all the objects

C) It is not mandatory to call same constructor for all the objects

D) It is mandatory to call same constructor for all the constructors

9.

what will be the output of following code?

```
class Program{

  public static void main( String[] args ){

    int number = Integer.parseInt("A");

  }

}
```

A) 65

B) 97

C) IllegalArgumentException

D) NumberFormatException

10.

1. What will be the output of given code?
2. class Output
3.   {
4.   public static void main(String args[])
5.   {
6.   int arr[] = {1, 2, 3, 4, 5};
7.   for (int i = 0; i < arr.length - 2; ++i)
8.   System.out.println(arr[i] + " ");
9.   }
10.   }

a) 1 2 3 4 5
b) 1 2 3 4
c) 1 2
d) 1 2 3
11.
Which one of the following is not a native method?
A) protected void finalize()throws Throwable
B) public int hashCode()
C) protected Object clone( )throws CloneNotSupportedException
D) public final void wait(long timeout)throws InterruptedException
12.
Converting a primitive type data into its corresponding wrapper class object instance is called?
A) boxing
B) wrapping
C) instantiation
D) autoboxing
13.
What will be the output of following code?

```
 class Program{

   public static int num1 = 1;

   public static void print( ){

     static int num2 = 0;

     System.out.print( num1 +" ");

     num1 ++;

   }

   public static void main( String[] args ){

     Program.print( );

     Program.print( );

     Program.print( );

   }
```

```
    }
```

A) 0 1 2
B) 1 2 3
C) 2 3 4
D) Compiler error.

14.

Code name of Java 8 is _____.

A) Oak
B) Spider
C) Silk
D) Green

15.

Observe the below code and choose name of concept

```
   class Program{

     public static void main( String[] args ){

       int number = 123;

       String str = String.valueOf( number );

     }

    }
```

 A) Widening
 B) Narrowing
 C) Boxing
 D) UnBoxing

16.

Which of the following statements is true about importing classes from a package in Java?

A) You can import classes from any package without any restrictions.
B) You must import classes from a package one at a time.
C) You can use the wildcard character to import all classes from a package
D) None of the above

17.

Process of converting reference of super class into reference of sub class is called as _____?

A) Upcasting
B) Downcasting

C) Narrowing

D) Widening

18.

What is ArrayStoreException in Java?

A) An exception that occurs when an array is not initialized

B) An exception that occurs when an index is out of bounds in an array.

C) An exception that occurs when trying to store an object of an incompatible type in an array.

D) An exception that occurs when trying to access an array that has been deleteD)

19.

What will be the output of following code?

```java
class variable_scope
{
    public static void main(String args[])
    {
        int x;
        x = 5;
        {
            int y = 6;
            System.out.print(x + " " + y);
        }
        System.out.println(x + " " + y);
    }
}
```

A) Compilation error

B) Runtime error

C) 5 6 5 6

D) 5 6 5

20.

What is a static initializer block in Java?

A) A block of code that is executed when an object is createD)

B) A block of code that is executed when a class is loaded into memory.

C) A block of code that is executed when a method is calleD)

D) A block of code that is executed when a variable is initializeD)