

OOPJ MID QUIZ AUGUST 24

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

- ☐ A) Upcasting
- ☒ B) Downcasting
- ☐ C) Narrowing
- ☐ D) Widening

2. What is a static initializer block in Java?

- ☐ A) A block of code that is executed when an object is createdD)
- ☒ 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)

3. 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)

4. 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 protectedD)
- ☐ D) We can overload constructor.

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5. What will be the output of following code?

```
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

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6. 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.

7. Code name of Java 8 is _____.

- ☐ A) Oak
- ☒ B) Spider
- ☐ C) Silk
- ☐ D) Green

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8. Converting a primitive type data into its corresponding wrapper class object instance is called?

- ☐ A) boxing
- ☐ B) wrapping
- ☐ C) instantiation
- ☒ D) autoboxing

9. 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

10. 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

11. 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

12. 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

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☐ D) None of the above

13. 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

14. 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

15. 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

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

- ☐ A) private
- ☒ B) package private
- ☐ C) protected
- ☐ D) public

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17. 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

18. 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

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- ☒ D) NumberFormatException

19. Which component is responsible to optimize bytecode to machine code?

- ☒ JVM
☐ JDK
☐ JIT
☐ JRE

20. 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