

OOPJ MID QUIZ AUGUST 24

1. 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

2. 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.

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3. 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.

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4. 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
5. 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
6. 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

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7. 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

8. 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

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

- ☐ JVM
- ☐ JDK

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- ☐ JIT
- ☒ JRE

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 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. 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)

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13. 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

14. 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

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15. 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

16. 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.

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- ☐ 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

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

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

18. Code name of Java 8 is _____.

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

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

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

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

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

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☒ D) Widening

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