

Java MCQs – OOP Concepts, Classes, and Constructors

Question 1

Which of the following is NOT an OOP concept in Java?

- A. Encapsulation
 - B. Inheritance
 - C. Polymorphism
 - D. Compilation
-

Question 2

What is an object in Java?

- A. A class template
 - B. An instance of a class
 - C. A function
 - D. A primitive data type
-

Question 3

What is the primary purpose of a constructor in Java?

- A. To allocate memory
 - B. To initialize an object
 - C. To call methods
 - D. To delete objects
-

Question 4

Which keyword is used to create an object in Java?

- A. class
 - B. this
 - C. new
 - D. void
-

Question 5

What will be the output of the following code?

```
class Test {
```

```
    int x;
}

public class Main {

    public static void main(String[] args) {

        Test t = new Test();

        System.out.println(t.x);

    }

}
```

- A. 0
 - B. null
 - C. Compilation Error
 - D. Runtime Exception
-

Question 6

What is encapsulation in Java?

- A. Wrapping data and methods into a single unit
 - B. Allowing multiple forms of a method
 - C. Inheriting properties from a parent class
 - D. Overriding methods from an interface
-

Question 7

What will be the output of the following code?

```
class Car {

    String model;

}

public class Main {

    public static void main(String[] args) {

        Car c = null;

        System.out.println(c.model);

    }

}
```

```
}  
  
}
```

- A. null
 - B. Compilation Error
 - C. NullPointerException
 - D. Empty String
-

Question 8

Which of the following is TRUE about constructors?

- A. Constructors must always have a return type
 - B. Constructors cannot be overloaded
 - C. Constructors can have parameters
 - D. A class cannot have multiple constructors
-

Question 9

What will be the output of the following code?

```
class Example {  
  
    Example() {  
  
        System.out.println("Constructor called");  
  
    }  
  
}  
  
public class Main {  
  
    public static void main(String[] args) {  
  
        Example e = new Example();  
  
    }  
  
}
```

- A. Constructor called
- B. No output

- C. Compilation Error
 - D. Runtime Error
-

Question 10

What is the correct way to define a class in Java?

- A. `public Example {}`
- B. `class Example {}`
- C. `void Example {}`
- D. `object Example {}`