

Rajalakshmi Engineering College

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Batch: 2028

Degree: B.E - CSE

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2024_28_III_OOPS Using Java Lab

REC_2028_OOPS using Java_Week 7_MCQ

Attempt : 1

Total Mark : 15

Marks Obtained : 0

Section 1 : MCQ

1. What is the output of the following code?

```
interface MathOperations {  
    static int square(int x) {  
        return x * x;  
    }  
  
    public class Main {  
        public static void main(String[] args) {  
            System.out.println(MathOperations.square(5));  
        }  
    }  
}
```

Answer

Status : Skipped

Marks : 0/1

2. Which of the following statements about Java interfaces is true?

Answer

Status : Skipped

Marks : 0/1

3. If a class implements two interfaces that have the same default method, what must the class do?

Answer

-

Status : -

Marks : 0/1

4. Can a Java interface contain both default and static methods?

Answer

-

Status : -

Marks : 0/1

5. What happens when an implementing class does not override a default method from an interface?

Answer

-

Status : -

Marks : 0/1

6. Which of the following statements is true regarding default methods in Java interfaces?

Answer

-

Status : -

Marks : 0/1

7. What is the output of the following code?

```
interface A {  
    default void show() {  
        System.out.println("A's Default Method");  
    }  
}  
  
class B {  
    public void show() {  
        System.out.println("B's Method");  
    }  
}  
  
class C extends B implements A {  
}  

```

```
public class Main {  
    public static void main(String[] args) {  
        C obj = new C();  
        obj.show();  
    }  
}
```

Answer

Status : -

Marks : 0/1

8. What is the output of the following code?

```
interface A {  
    default void show() {  
        System.out.println("A's Default Method");  
    }  
}
```

```
interface B {  
    default void show() {  
        System.out.println("B's Default Method");  
    }  
}
```

```
class C implements A, B {  
    public void show() {  
        A.super.show();  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        C obj = new C();  
        obj.show();  
    }  
}
```

Answer

Status : -

Marks : 0/1

9. What is the output of the following code?

```
interface X {  
    default void show() {  
        System.out.println("X's Default Method");  
    }  
}
```

```
interface Y {  
    default void show() {  
        System.out.println("Y's Default Method");  
    }  
}
```

```
class Z implements X, Y {  
    public void show() {  
        System.out.println("Z's Method");  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        Z obj = new Z();  
        obj.show();  
    }  
}
```

Answer

Status : -

Marks : 0/1

10. What is the primary purpose of static methods in Java interfaces?

Answer

Status : -

Marks : 0/1

11. How can a class explicitly call a default method from an interface if there is a naming conflict?

Answer

Status : -

Marks : 0/1

12. Consider a class implementing an interface and extending a class, both having a method with the same name. Which method gets called?

Answer

Status : -

Marks : 0/1

13. What is the output of the following code?

```
interface A {  
    static void display() {  
        System.out.println("Static method in A");  
    }  
}
```

```
class B implements A {  
    static void display() {  
        System.out.println("Static method in B");  
    }  
}
```

```
public class Main {  
    public static void main(String[] args) {  
        B.display();  
    }  
}
```

Answer

Status : -

Marks : 0/1

14. Which of the following is the correct way to declare an interface in Java?

Answer

-

Status : - **Marks :** 0/1

15. How do you call a static method from an interface MyInterface?

Answer

Status : -

Marks : 0/1