# Java MCQ questions

Perfect 👍 I understood.

Your exam is **60 marks** (30 coding + 30 MCQs).

From the image you shared:

- **30 MCQ** →
  - 10 × 1 mark = 10 marks
  - 10 × 2 marks = 20 marks (mostly predict output)

You asked:

- 20 MCQs of **1 mark** (theory/concept).
- 20 MCQs of **2 marks** (predict output type).
- From the given topics.
- No coding part now.

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## ✅ 1 Mark MCQs (20 Questions with Answers)

**1. Which of the following is not a Java keyword?**

a) static

b) Boolean

c) void

d) private

👉 **Answer: b) Boolean** (Java uses `boolean` in lowercase)

**2. Which operator is used for short-circuit AND in Java?**

a) &

b) &&

c) |

d) ||

👉 **Answer: b) &&**

**3. In Java, arrays are:**

a) Primitive data types

b) Objects

c) Methods

d) Keywords

👉 **Answer: b) Objects**

## 4. Which of the following has the highest precedence?

a) ++ (postfix)

b) *

c) &&

d) =

👉 **Answer: a) ++ (postfix)**

## 5. Which is true about constructors in Java?

a) They have a return type

b) They must have the same name as class

c) They are inherited

d) They can be abstract

👉 **Answer: b) They must have the same name as class**

## 6. Which of these is not OOPs concept in Java?

a) Polymorphism

b) Inheritance

c) Compilation

d) Encapsulation

👉 **Answer: c) Compilation**

## 7. Which method is called when a thread starts?

a) start()

b) run()

c) execute()

d) call()

👉 **Answer: b) run()**

## 8. Which exception is unchecked?

a) IOException

b) SQLException

c) NullPointerException

d) InterruptedException

👉 **Answer: c) NullPointerException**

**9. Wrapper class for `int` is:**

a) Int

b) Integer

c) Number

d) Float

👉 **Answer: b) Integer**

**10. Which keyword is used to inherit a class in Java?**

a) extends

b) implements

c) inherit

d) super

👉 **Answer: a) extends**

**11. Which keyword is used to prevent inheritance?**

a) final

b) static

c) super

d) this

👉 **Answer: a) final**

**12. Default value of boolean variable is:**

a) 0

b) null

c) false

d) true

👉 **Answer: c) false**

**13. Which collection class allows duplicate elements?**

a) Set

b) List

c) Map

d) None

👉 **Answer: b) List**

**14. Which package is imported by default in Java?**

a) java.io

b) java.lang

c) java.util

d) java.sql

👉 **Answer: b) java.lang**

## 15. Which string method returns length of string?

a) size()

b) length()

c) getSize()

d) count()

👉 **Answer: b) length()**

## 16. Which of these statements is true about abstract classes?

a) They cannot have constructors

b) They can be instantiated

c) They can contain abstract methods

d) They must be final

👉 **Answer: c) They can contain abstract methods**

## 17. Which operator is used for bitwise OR in Java?

a) ||

b) |

c) OR

d) &

👉 **Answer: b) |**

## 18. What is the size of `int` in Java?

a) 2 bytes

b) 4 bytes

c) 8 bytes

d) depends on system

👉 **Answer: b) 4 bytes**

## 19. Which method is always called before object is garbage collected?

a) finalize()

b) delete()

c) free()

d) clear()

👉 **Answer: a) finalize()**

**20. Which keyword is used for exception handling?**

a) try

b) throw

c) catch

d) All of the above

👉 **Answer: d) All of the above**

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## ✅ 2 Marks MCQs (Predict Output) – 20 Questions

**1.**

```java
int a = 5;
int b = ++a + a++;
System.out.println(b);
```

👉 **Answer: 12**

**2.**

```java
int arr[] = {1, 2, 3};
System.out.println(arr[1]);
```

👉 **Answer: 2**

**3.**

```java
System.out.println(10 >> 1);
```

👉 **Answer: 5**

**4.**

```java
System.out.println("Java" + 10 + 20);
```

👉 **Answer: Java1020**

**5.**

```java
System.out.println(10 + 20 + "Java");
```

👉 **Answer: 30Java**

**6.**

```java
int x = 10;
if(x++ > 10)
    System.out.println("Yes");
else
    System.out.println("No");
```

👉 **Answer: No**

**7.**

```java
String s1 = "Hello";
String s2 = new String("Hello");
System.out.println(s1 == s2);
```

👉 **Answer: false**

**8.**

```java
try {
    int a = 10/0;
} catch(Exception e) {
    System.out.println("Error");
}
```

👉 **Answer: Error**

**9.**

```java
for(int i=0; i<3; i++);
System.out.println("Done");
```

👉 **Answer: Done**

**10.**

```java
System.out.println('A' + 1);
```

👉 **Answer: 66**

**11.**

```java
int x = 5;
System.out.println(x++ + ++x);
```

👉 **Answer: 12**

**12.**

```java
String s = "abc";
s.concat("xyz");
System.out.println(s);
```

👉 **Answer: abc**

**13.**

```java
Integer i1 = 100, i2 = 100;
System.out.println(i1 == i2);
```

👉 **Answer: true**

**14.**

```java
Integer i1 = 200, i2 = 200;
System.out.println(i1 == i2);
```

👉 **Answer: false**

**15.**

```java
class Test {
    public static void main(String[] args) {
        System.out.println("main");
    }
    static { System.out.println("static"); }
}
```

👉 **Answer: static**
**main**

**16.**

```java
System.out.println(5 & 3);
```

👉 **Answer: 1**

**17.**

```java
System.out.println(5 | 3);
```

👉 **Answer: 7**

**18.**

```java
System.out.println(5 ^ 3);
```

👉 **Answer: 6**

**19.**

```java
String s = "java";
System.out.println(s.toUpperCase());
```

👉 **Answer: JAVA**

**20.**

```java
Thread t = new Thread();
System.out.println(t.isAlive());
```

👉 **Answer: false**

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I've given you **20 (1 mark MCQ) + 20 (2 mark predict output MCQ)** = 40 total. These are exam-oriented and cover almost all your topics.

Do you also want me to prepare **30 marks coding expected questions** (like inheritance, arrays, strings, exception handling) that might come?