



CP Practice Test -1
21 Questions

NAME : _____

CLASS : _____

DATE : _____

1. Which component is used to compile, debug and execute the java programs?

☐ A

d) JVM

☐ B

a) JRE

☐ C

a) JDK

☐ D

b) JIT

2. Which of these cannot be used for a variable name in Java?

☐ A

b) identifier

☐ B

d) none of the mentioned

☐ C

a) identifier & keyword

☐ D

c) keyword

3. What is the range of byte data type in Java?

☐ A

-32768 to 32767

☐ B

-128 to 127

☐ C

-2147483648 to 2147483647

☐ D

None of the mentioned

4. conversion for automatic type Which of these is necessary condition in Java?

☐ A

None of the mentioned

☐ B

The destination type is smaller than source type

☐ C

The destination type is larger than source type

☐ D

The destination type can be larger or smaller than source type

5. If an expression contains double, int, float, long, then the whole expression will be promoted into which of these data types?

☐ A

long

☐ B

float

☐ C

double

☐ D

int

6. Which one is a valid declaration of a boolean?

☐ A

boolean b3 = false;

☐ B

boolean b2 = 'false';

☐ C

boolean b4 = 'true'

☐ D

boolean b1 = 1;

7. What is use of interpreter?

☐ A

They read high level code and execute them

☐ B

It is a synonym for JIT

☐ C

They are intermediated between JIT and JVM

☐ D

They convert bytecode to machine language code

8. What will be the output of the following Java code?

```
class increment {  
    public static void main(String args[])  
    {  
        int g = 3;  
        System.out.print(++g * 8);  
    }  
}
```

☐ A

32

☐ B

25

☐ C

24

☐ D

33

9. What will be the output of the following Java program?

```
class output {  
    public static void main(String args[])  
    {  
        double a, b,c;  
        a = 3.0/0;  
        b = 0/4.0;  
        c=0/0.0;  
  
        System.out.println(a);  
        System.out.println(b);  
        System.out.println(c);  
    }  
}
```

- | | | | |
|----------------------------|-------------------------|----------------------------|-------------|
| <input type="checkbox"/> A | d) all of the mentioned | <input type="checkbox"/> B | b) Infinity |
| <input type="checkbox"/> C | c) 0.0 | <input type="checkbox"/> D | a) NaN |

10. What will be the output of the following Java program?

```
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);  
    }  
}
```

- | | | | |
|----------------------------|------------------|----------------------------|----------------------|
| <input type="checkbox"/> A | c) 5 6 5 6 | <input type="checkbox"/> B | a) Compilation error |
| <input type="checkbox"/> C | b) Runtime error | <input type="checkbox"/> D | d) 5 6 5 |

11. `class abc`
`{`
`public static void main(String args[])`
`{`
`if(args.length>0)`
`System.out.println(args.length);`
`}`
`}`

- ☐ A a) The snippet compiles and runs but does not print anything
- ☐ B c) The snippet compiles, runs and prints 1
- ☐ C b) The snippet compiles, runs and prints 0
- ☐ D d) The snippet does not compile

12. Which definition best describes an object?

- ☐ A a) Instance of a class
- ☐ B b) Instance of itself
- ☐ C d) Overview of a class
- ☐ D c) Child of a class

13. How many objects can be declared of a specific class in a single program?

- ☐ A a) 32768
- ☐ B d) As many as you want
- ☐ C c) 1
- ☐ D b) 127

14. _____ is used to find and fix bugs in the Java programs.

- ☐ A JVM
- ☐ B JRE
- ☐ C JDK
- ☐ D JDB

15. What does the expression `float a = 35 / 0` return?

- ☐ A Not a Number
- ☐ B Run time exception
- ☐ C Infinity
- ☐ D 0

16.

```
public class Test {  
    public static void main(String[] args) {  
        int count = 1;  
        while (count <= 15) {  
            System.out.println(count % 2 == 1 ? "***" : "++++");  
            ++count;  
        } // end while  
    } // end main  
}
```

- | | |
|--|--|
| <input type="checkbox"/> A 15 times +++++ | <input type="checkbox"/> B 15 times *** |
| <input type="checkbox"/> C 8 times *** and 7 times +++++ | <input type="checkbox"/> D Both will print only once |

17. Which of these is long data type literal?

- | | |
|--|--|
| <input type="checkbox"/> A a) 0x99fffL | <input type="checkbox"/> B d) 99671246 |
| <input type="checkbox"/> C c) 0x99fffa | <input type="checkbox"/> D b) ABCDEFG |

18.

```
class char_increment  
{  
    public static void main(String args[])  
    {  
        char c1 = 'D';  
        char c2 = 84;  
        c2++;  
        c1++;  
        System.out.println(c1 + " " + c2);  
    }  
}
```

- | | |
|-----------------------------------|-----------------------------------|
| <input type="checkbox"/> A d) U F | <input type="checkbox"/> B c) V E |
| <input type="checkbox"/> C b) U E | <input type="checkbox"/> D a) E U |

19.

```
class c
{
public void main( String[] args )
{
System.out.println( "Hello" + args[0] );
}
}
```

- | | | | |
|----------------------------|------------------|----------------------------|----------------|
| <input type="checkbox"/> A | b) Hello | <input type="checkbox"/> B | c) Hello world |
| <input type="checkbox"/> C | d) Runtime Error | <input type="checkbox"/> D | a)Hello c |

20. . Which of these literals can be contained in float data type variable?

- | | | | |
|----------------------------|--------------|----------------------------|--------------|
| <input type="checkbox"/> A | b) -1.7e+308 | <input type="checkbox"/> B | d) -3.4e+050 |
| <input type="checkbox"/> C | a) -3.4e+038 | <input type="checkbox"/> D | c) +1.7e+308 |

21. Which one is a valid declaration of a boolean?

- | | | | |
|----------------------------|---------------------|----------------------------|-----------------------|
| <input type="checkbox"/> A | boolean b4 = 'true' | <input type="checkbox"/> B | boolean b3 = false; |
| <input type="checkbox"/> C | boolean b1 = 1; | <input type="checkbox"/> D | boolean b2 = 'false'; |

Answer Key

1. c	2. d	3. b	4. c
5. c	6. a	7. a	8. a
9. a	10. b	11. a	12. a
13. b	14. d	15. c	16. c
17. a	18. d	19. c	20. c
21. b			