CMSM4157:CIA1

Total points   11/20   ⑦

FM: 20 TIME:30 MINUTES

ROLL *

561

NAME: *

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✓   **1. Which of the following options leads to the portability and security of Java?**   1/1

○ The applet makes the Java code secure and safe

◉ Bytecode is executed by JVM   ✓

○ Use of exception handling

○ Dynamic binding between objects

✓   **2. Which of the following is(are) not Java feature(s)?**   1/1

☐ Object Oriented

☑ Multiple Inheritence   ✓

☐ Architecture neutral

☑ Use of pointers   ✓

✗ 3. Which of the following is a valid declaration of a char?   0/1

◉ char ch = '\utea';   ✗

◯ char ca = 'tea';

◯ char cr = '\u0223';

◯ char cc = '\itea';

✓ 4. Which of the following is a valid long literal?   1/1

◯ AB8097

◉ 0xf029L   ✓

◯ f029L

◯ None of the above

✗ 5. In Java what does the expression float a = 35 / 0 return?   0/1

◯ Not a Number

◯ 0

◉ Infinity   ✗

◯ Run time exception

✗ 6. Evaluate the following Java expression, if x=3, y=5, and z=10: ++z + y - y + z + x++   0/1

○ 20

○ 23

⦿ 24   ✗

○ 25

✗ 7. Predict the output of the following Java Program....   0/1

```
// filename Main.java
class Test {
        protected int x, y;
}

class Main {
        public static void main(String args[]) {
                Test t = new Test();
                System.out.println(t.x + " " + t.y);
        }
}
```

⦿ Compilation Error   ✗

○ 0 0

○ Runtime Error

○ None of the above

✗ 8. Which of these is(are) incorrect array declaration(s)?   0/1

☐ int [] arr = new int [5];

☐ int arr[] = new int [5];

☑ int arr[] = int [5] new;   ✓

☐ int arr[] = new [5] int;

✓ 9. Which component is used to compile, debug and execute java program?   1/1

◯ JVM

◉ JDK   ✓

◯ JIT

◯ JRE

✓ 10. Which component is responsible for converting bytecode into machine specific code? 1/1

◯ JIT

◯ JDK

◯ JRE

◉ JVM   ✓

JVM   ✓

✓ 11. Which component is responsible to run java program?   1/1

○ JDK

⦿ JRE   ✓

○ JVM

○ JIT

✗ 12. Which one of the following statements is true about the Java interpreter?   0/1

○ They read byte code and execute them

○ They are intermediated between JIT and JVM

○ It is a synonym for JIT

⦿ They convert bytecode to machine language code   ✗

✓ 13. The statement boolean b = 1; will generate a compilation error.   1/1

○ False

⦿ True   ✓

✗ 14. The declaration short [ ] a, b; will not declare 'b' as a short type array.   0/1

○ False

◉ True   ✗

Feedback

In the "while" loop statement, the condition is first checked before executing the statements written in the loop's body. Generally, the value of the counter variable incremented at the end of the body of the "while" loop, whereas the statements are executed first.

✓ 15. State the output of the code snippet: int a[ ] [ ] = new int [4] [5];   1/1
    System.out.print(a.length);

○ 20

○ 5

◉ 4   ✓

○ Runtime error

✓ 16. The following declaration is allowed in Java: float f = 3.14;   1/1

◉ False   ✓

○ True

✗ 17. State the output of the following code: System.out.println (-2 >> 5);   0/1

⦿ 0   ✗

○ 1

○ -1

○ -2

✗ 18. What will be the output of the following code? byte b = (byte)130;   0/1
   System.out.println(b);

○ 0

○ -128

⦿ -127   ✗

○ -126

✓ 19. What will happen in connection with the following two statements? String st;   1/1
   System.out.println(st.length());

⦿ Compilation error   ✓

○ Runtime error

○ Successful execution with 0 as the output

○ Successful execution but with no output

✓ 20. What will happen in connection with the following two statements? String st = new   1/1
   String(); System.out.println(st.length());

○ Compilation error

○ Runtime error

◉ Successful execution with 0 as the output   ✓

○ Successful execution but with no output

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