

Java

MM: 20 marks

Question 1: Which one of these lists contains only Java programming language keywords?

- A. class, if, void, long, Int, continue
- B. goto, instanceof, native, finally, default, throws
- C. try, virtual, throw, final, volatile, transient
- D. strictfp, constant, super, implements, do
- E. byte, break, assert, switch, include

Answer: Option B

Question 2: Which will legally declare, construct, and initialize an array?

- A. `int [] myList = {"1", "2", "3"};`
- B. `int [] myList = (5, 8, 2);`
- C. `int myList [] [] = {4,9,7,0};`
- D. `int myList [] = {4, 3, 7};`

Answer: Option D

Question 3: Which is a reserved word in the Java programming language?

- A. method
- B. native
- C. subclasses
- D. reference
- E. array

Answer: Option B

Question 4: Which is a valid keyword in java?

- A. interface
- B. string
- C. Float
- D. unsigned

Answer: Option A

Question 5: Which of the following would compile without error?

- A. `int a = Math.abs(-5);`
- B. `int b = Math.abs(5.0);`



- C. `int c = Math.abs(5.5F);`
- D. `int d = Math.abs(5L);`

Answer: Option A

Question 6: Which one of the following will declare an array and initialize it with five numbers?

- A. `Array a = new Array(5);`
- B. `int [] a = {23,22,21,20,19};`
- C. `int a [] = new int[5];`
- D. `int [5] array;`

Answer: Option B

Question 7: Which is the valid declarations within an interface definition?

- A. `public double methoda();`
- B. `public final double methoda();`
- C. `static void methoda(double d1);`
- D. `protected void methoda(double d1);`

Answer: Option A

Question 8: You want subclasses in any package to have access to members of a superclass. Which is the most restrictive access that accomplishes this objective?

- A. `public`
- B. `private`
- C. `protected`
- D. `transient`

Answer: Option C

Question 9: Which of the following code fragments inserted, will allow to compile?

- A. `new Inner(); //At line 5`
- B. `new Inner(); //At line 10`
- C. `new ot.Inner(); //At line 10`
- D. `new Outer.Inner(); //At line 10`

Answer: Option A

Question 10: What is the prototype of the default constructor?

- A. `Test( )`



- B. Test(void)
- C. public Test( )
- D. public Test(void)

Answer: Option C

Question 11: What is the most restrictive access modifier that will allow members of one class to have access to members of another class in the same package?

- A. public
- B. abstract
- C. protected
- D. synchronized
- E. default access

Answer: Option E

Question 12: Which cause a compiler error?

- A. `int[ ] scores = {3, 5, 7};`
- B. `int [ ][ ] scores = {2,7,6}, {9,3,45};`
- C. `String cats[ ] = {"Fluffy", "Spot", "Zeus"};`
- D. `boolean results[ ] = new boolean [ ] {true, false, true};`
- E. `Integer results[ ] = {new Integer(3), new Integer(5), new Integer(8)};`

Answer: Option B

Question 13: You want a class to have access to members of another class in the same package. Which is the most restrictive access that accomplishes this objective?

- A. public
- B. private
- C. protected
- D. default access

Answer: Option D

Question 14: Which one creates an instance of an array?

- A. `int[ ] ia = new int[15];`
- B. `float fa = new float[20];`
- C. `char[ ] ca = "Some String";`
- D. `int ia[ ][ ] = { 4, 5, 6 }, { 1,2,3 };`



Answer: Option A

Question 15: Which of the following class level (nonlocal) variable declarations will not compile?

- A. protected int a;
- B. transient int b = 3;
- C. private synchronized int e;
- D. volatile int d;

Answer: Option C

Question 16: Given a method in a protected class, what access modifier do you use to restrict access to that method to only the other members of the same class?

- A. final
- B. static
- C. private
- D. protected
- E. volatile

Answer: Option C

Question 17: Which is a valid declaration within an interface?

- A. public static short stop = 23;
- B. protected short stop = 23;
- C. transient short stop = 23;
- D. final void madness(short stop);

Answer: Option A

Question 18: Which one is a valid declaration of a boolean?

- A. boolean b1 = 0;
- B. boolean b2 = 'false';
- C. boolean b3 = false;
- D. boolean b4 = Boolean.false();
- E. boolean b5 = no;

Answer: Option C

Question 19: Which is a valid declarations of a String?

- A. String s1 = null;



- B. `String s2 = 'null';`
- C. `String s3 = (String) 'abc';`
- D. `String s4 = (String) '\ufeed';`

Answer: Option A

Question 20: What is the numerical range of a char?

- A. -128 to 127
- B. -(215) to (215) - 1
- C. 0 to 32767
- D. 0 to 65535

Answer: Option D

