JPE Quiz 1 Option 1

Fpt Software

Testing date:………….… **Allowed time:** 30'	**Testing score (/10):**……….
Account: …………………………….……… **Birth date:** …………………………….……	**CODE: JPE.Q1.Opt1**

Testing notes

- You are not allowed to use mobile or other communicating devices during the test
- This is book-closed testing. You are not allowed to use any reference while doing the test.
- Select one answer for each question. Don't answer or note on the question book.
- Fill your answers into the Answer sheet.

Testing questions & answers

#	Question & Answer Group	ANS

1	What are the values of x and y? x = 5; y = ++x;
	   A. x = 5, y = 5
	   B. x = 5, y = 6
	   C. x = 6; y = 5
	   D. x = 6; y = 6
		D

2	Which is valid declaration of a float variable?
	   A. float f = 1F;
	   B. float f = 1.0;
	   C. float f = "1";
	   D. float f = 1.0d;
		A

3	Which of the following declarations is/are valid:
	<pre>1.bool b = null;
	2.boolean b = 1;
	3.boolean b = true|false;
	4.bool b = (10<11);
	5.boolean b = true||false;</pre>
	   A. 1 and 4
	   B. 2, 3, and 5
	   C. 2 and 3
	   D. 3 and 5
		D

4	Consider the code shown below:
	<pre>public class TestClass {
	  public static int switchTest (int k){
	    int j = 1;
	    switch(k){
	       case 1: j++;
	       case 2: j++;
	       case 3: j++;
	       case 4: j++;
	       case 5: j++;
	       default : j++;
	    }
	    return j + k;</pre>
		D

```
  }
  public static void main(String[] args){
      System.out.println( switchTest(4) );
  }
}
```
What will it print when compiled and run?

    A. 5

    B. 6

    C. 7

    D. 8

5	Types of Java Comments include:	E
	A. Single Line Comment	
	B. Multi Line Comment	
	C. Documentation Comment	
	D. A and B are TRUE	
	E. A, B and C are TRUE	

| 6 | What will the following code print? | A |

```
int i = 0;
int j = 1;
if((i++ == 0) & (j++ == 2)){
    i = 12;
}
System.out.println(i + " " +j);
```

    A. 1 2

    B. 2 3

    C. 12 2

    D. 12 1

    E. It will not compile

| 7 | What will be the output of the following code snippet? | B |

```
    int a = 1;
    int[] iarr = new int[10];
    int b = iarr[a];
    int c = b + a;
    System.out.println(b = c);
```

    A. 0

    B. 1

    C. 2

    D. TRUE

    E. FALSE

8	What is JDK stands for?	A
	A. Java Development Kit	
	B. Java Development Kat	
	C. Java Developer Kit	
	D. Java Developer Kat	
	E. Java Deployment Kit	

9	Which component is used to compile, debug and execute java program?	B
	A. JVM	
	B. JDK	
	C. JIT	
	D. JRE	
	E. None of the above	

10	Which component is responsible for converting bytecode into machine specific code?
	    A. JVM
	    B. JDK
	    C. JIT
	    D. JRE
	    E. None of the above
		A

11	Which component is responsible to run java program?
	    A. JVM
	    B. JDK
	    C. JIT
	    D. JRE
	    E. None of the above
		D

12	Which statement is true about java?
	    A. Platform independent programming language
	    B. Platform dependent programming language
	    C. Code dependent programming language
	    D. Sequence dependent programming language
	    E. All of the above
		A

13	What is the extension of java code files?
	    A. .class
	    B. .java
	    C. .txt
	    D. .js
		B

14	What is the extension of compiled java classes?
	    A. .class
	    B. .java
	    C. .txt
	    D. .js
		A

15	Consider the following method:
	
	```\nstatic int mx(int s){\n for(int i=0; i<3; i++){\n s = s + i;\n }\n return s;\n}\n```
	and the following code snippet:
	```\nint s = 5;\ns += s + mx(s) + ++s;\nSystem.out.println(s);\n```
	What will it print?
	    A. 21
	    B. 22
	    C. 23
	    D. 24
	    E. 25
		D

16	Which of these for statements are valid? ```\n1. for (int i=5; i=0; i--) { }\n2. int j=5;\n for(int i=0, j+=5; i<j ; i++) { j--; }\n3. int i, j;\n for (j=10; i<j; j--) { i += 2; }\n```	D

| | ```
4. int i=10;
   for ( ; i>0 ; i--) { }
5. for (int i=0, j=10; i<j; i++, --j) {;}
```<br><br>A. 1, 2<br>B. 3, 4<br>C. 1, 5<br>D. 4, 5<br>E. 5 | | |
17	What is the output of this code fragment?
	1. int x = 3;
	2. int y = 10;
	3. System.out.println(y % x);
	    A. 0
	    B. 1
	    C. 2
	    D. 3
		B	

18	Class in Java:
	    A. is a group of objects which have common properties
	    B. is a template or blueprint from which objects are created
	    C. is a logical entity
	    D. can't be physical
	    E. All of the above are TRUE
		E	

19	Which one correct about an object is?
	    A. is a real world entity
	    B. is a run time entity
	    C. is an entity which has state and behavior
	    D. is an instance of a class
	    E. All of the above are TRUE
		E	

20	The private access modifier is accessible:
	    A. within package only
	    B. within class only
	    C. outside the package but through inheritance only
	    D. everywhere
		B	

-- THE END --