

LAB219 - Viewing

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Fundamentals of Java SE 7-Intl-A389 1.5

1 "Consider a directory structure created on the Window system: A directory named AlphaProject has been created. It contains two sub-directories named source and classes. The source directory contains a Java file named MyProgram.java. Assume that the current directory has been set to AlphaProject. Then, what will be the result of the following command invocation on the command prompt, javac -d classes source/MyProgram.java."

- ☐ If the command is executed successfully, then MyProgram.class file is added in the source directory
- ☐ If the command is executed successfully, then MyProgram.class file is added in the current directory
- ☐ If the command is executed successfully, then MyProgram.class file is added in the classes directory
- ☐ The MyProgram.java file is not compiled successfully because the command result in a error

Fundamentals of Java SE 7-Intl-A389 1.5

2 "Given that the root directory contains a subdirectory called ""BankApp"" that contains files for a Java application. The following command is invoked from the root directory in order to create a JAR file containing the ""BankApp"" directory: jar -cf X Y, where X and Y are arguments. Which of the following statements correctly identify the arguments X and Y in the jar command?"

- ☐ X should be the file name of the JAR file, and Y should be "BankApp"
- ☐ X should be "BankApp", and Y should be the file name of the JAR file
- ☐ Both X and Y specifies file name of the JAR file
- ☐ If a file name is not specified, then file named BankApp.jar will be created

Fundamentals of Java SE 7-Intl-A389 1

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Fundamentals of Java SE 7-Intl-A389 1

3 Which of the following interface does not inherit from the Collection interface?

- ☐ Set
- ☐ List
- ☐ Map
- ☐ Queue

Fundamentals of Java SE 7-Intl-A389 1

4 Consider the following method declaration?

```
Public short getInt() {  
    int s = 5;  
    return s;  
}
```

Which of the following statements is true regarding the method declaration?

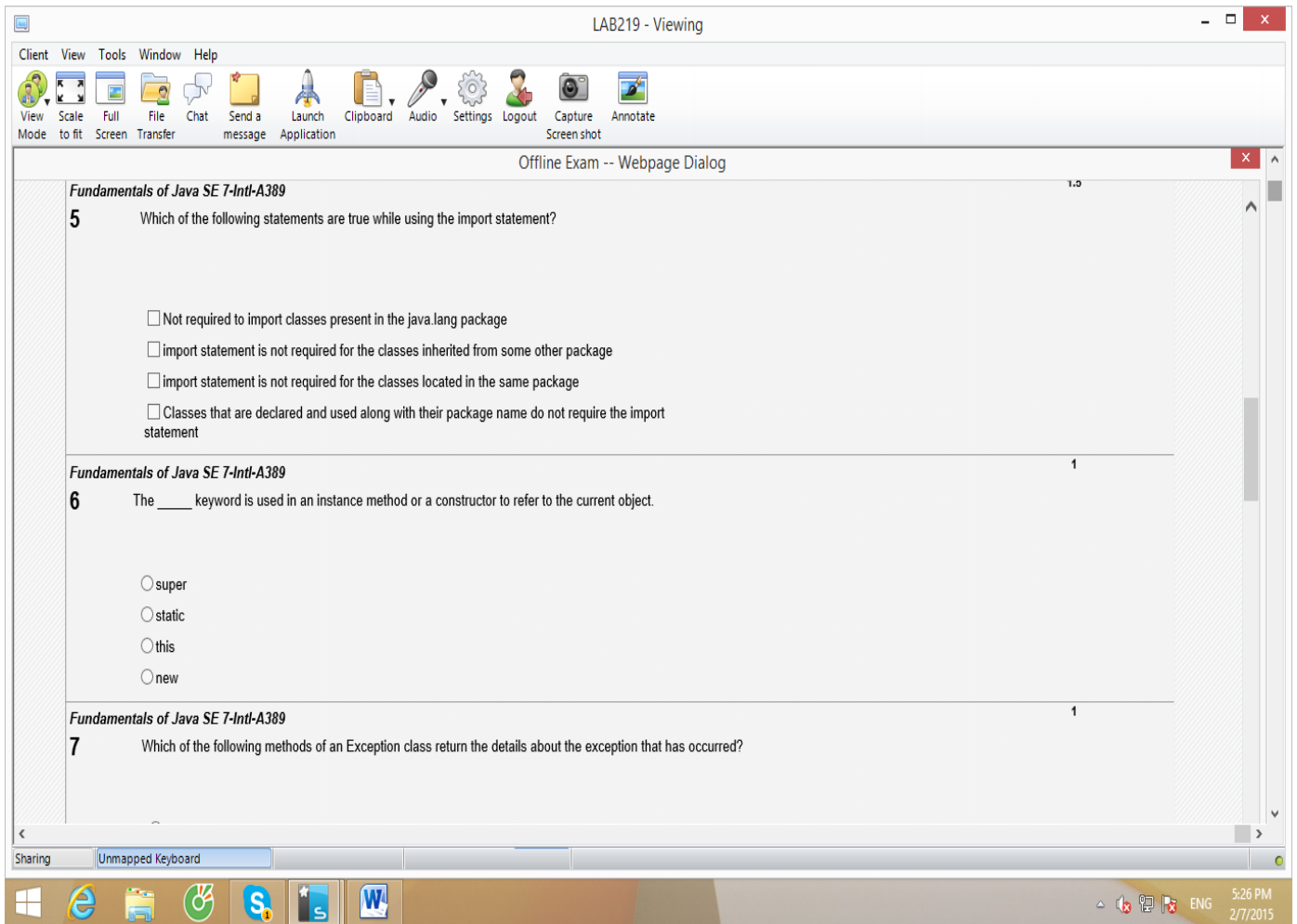
- ☐ The method parameter list cannot be empty
- ☐ The method will not compile as the variable s needs to cast
- ☐ The method will compile successfully
- ☐ The statement int s = 5 throws runtime exception

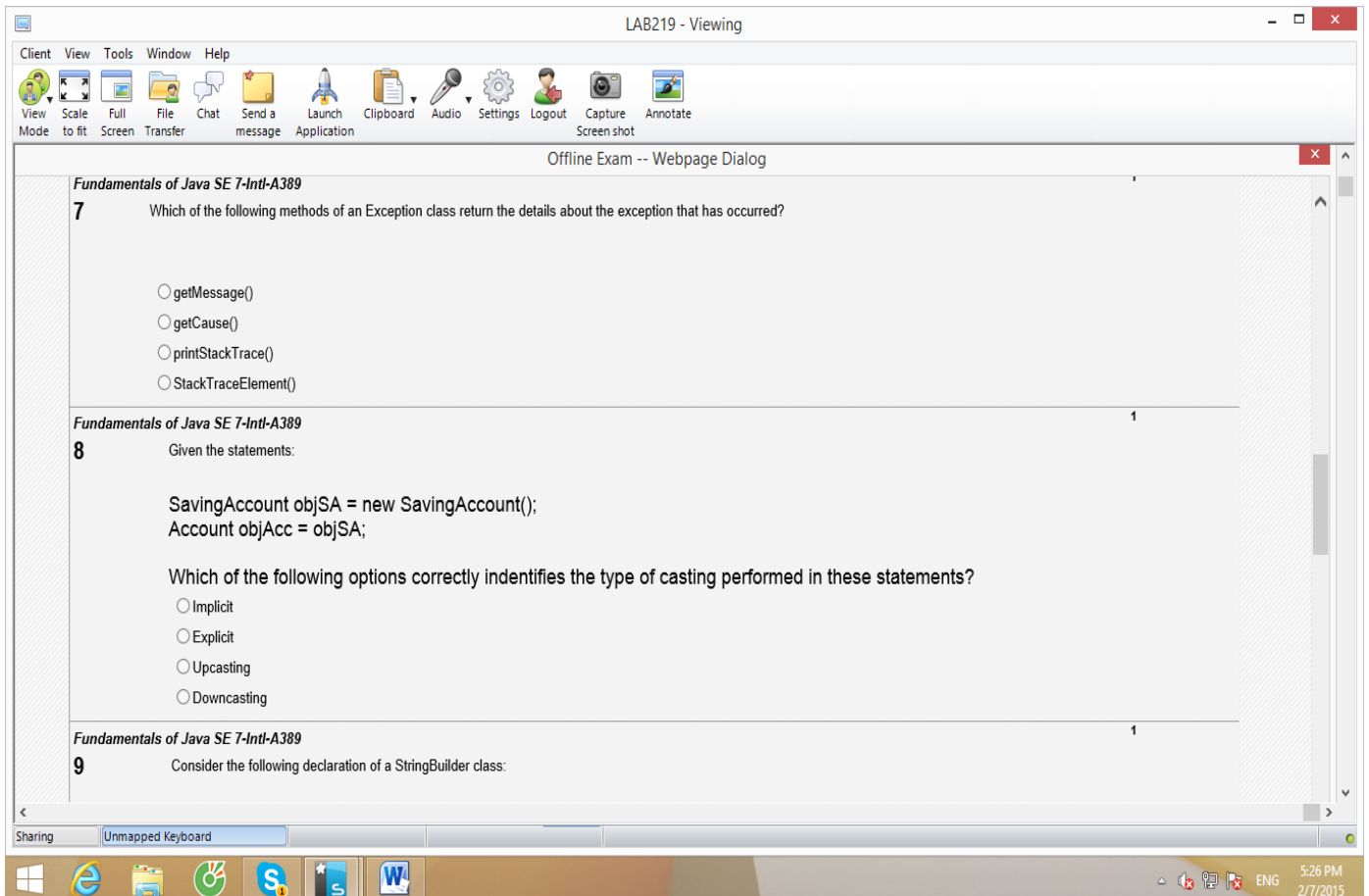
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5 Which of the following statements are true while using the import statement?

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5:25 PM 2/7/2015





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Fundamentals of Java SE 7-Intf-A389 1

9 Consider the following declaration of a StringBuilder class:

```
StringBuilder objSb = new StringBuilder("ABC");
```

Which of the following methods of the StringBuilder class when used will display the output as ABC123?

- ☐ objSb.concat("123");
- ☐ objSb.insert(1, "123");
- ☐ objSb.insertLast("123");
- ☐ objSb.append("123");

Fundamentals of Java SE 7-Intf-A389 1

10 Consider the following declaration:

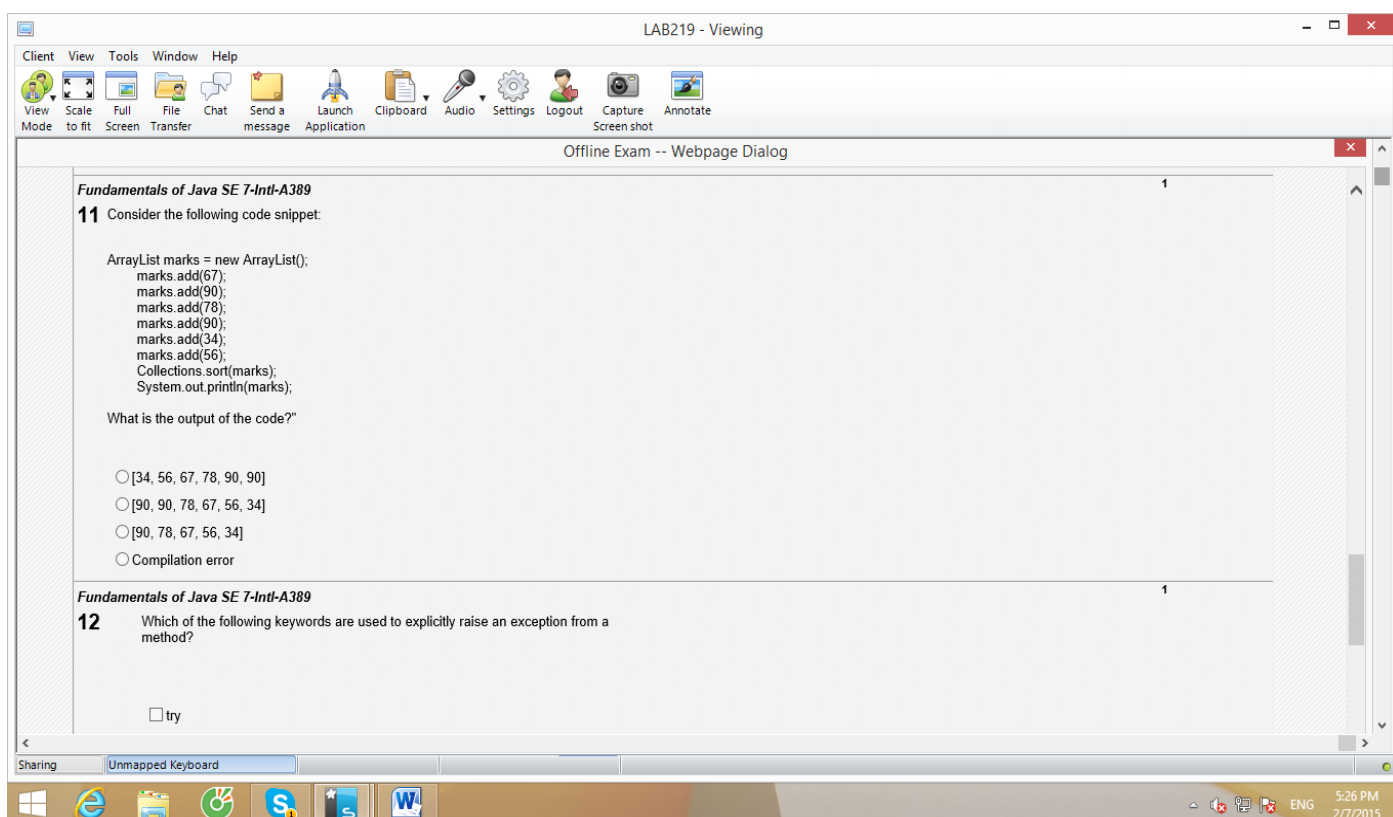
```
double d = 15.3446;
```

Which of the following option shows the correct statement that produces the output, |015.345|?

- ☐ System.out.printf("|%07d|\n", d);
- ☐ System.out.printf("|%07.3f|\n", d);
- ☐ System.out.printf("|%07.3d|\n", d);
- ☐ System.out.printf("|%07.3e|\n", d);

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12 Which of the following keywords are used to explicitly raise an exception from a method?

☐ try

☐ catch

☐ throw

☐ throws

Fundamentals of Java SE 7-IntI-A389 1

13 Which of the following statements are true regarding a constructor in a class?

☐ A constructor returns void

☐ A constructor has an associated destructor

☐ A constructor can be overloaded

☐ A constructor has the same name as the class name to which it belongs

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14 Identify the method that is used to compare two String objects?

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14 Identify the method that is used to compare two String objects?

☐ comparator()

☐ comparable()

☐ compare()

☐ compareTo()

Fundamentals of Java SE 7-IntI-A389 1

15 Consider the following code snippet:

```
1. Iterator itr = arraylist.iterator();
2. // insert code here
3. {
4.   System.out.println(itr.next());
5. }
```

Which of the following statement added at line 2 will compile the code successfully?"

☐ while (itr.moreElements())

☐ while (itr.hasElements())

☐ while (itr.hasNext())

☐ while (itr.next())

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16 Which of the following statements are true regarding the Java Virtual Machine?

- ☐ It is an execution engine which creates a platform independent execution environment for executing compiled code
- ☐ The same implementation of JVM is available for different platforms
- ☐ The same bytecode can be executed by the same implementation of JVM
- ☐ It is an imitation of a Java processor on the physical machine

Fundamentals of Java SE 7-Int-A389 1

17 Identify which of the following declarations of a class will generate errors during compilation?

- ☐ class c1 { }
- ☐ class B implements i1 implements i2 { }
- ☐ class D extends c1, implements i2 { }
- ☐ class E extends i1, i2 { }

Fundamentals of Java SE 7-Int-A389 1.5

18 Which of the following statements are true with respect to exceptions in Java?

Fundamentals of Java SE 7-Int-A389 1.5

- ☐ class B implements i1 implements i2 { }
- ☐ class D extends c1, implements i2 { }
- ☐ class E extends i1, i2 { }

18 Which of the following statements are true with respect to exceptions in Java?

- ☐ The try statement must be followed by only one catch or a finally block
- ☐ The Exception subclasses are used when the called method handles the exception
- ☐ Repeated re-throwing of the same exception must be avoided as it may slow down programs that are known for frequently raising exceptions
- ☐ Use the throw statement to throw an exception that a method does not handle by itself

Previous Next

2 fps

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Chúc các bạn thi tốt!

Đáp án

1. C
2. A
3. C
4. B
5. A, C, D
6. C
7. A
8. C
9. D
10. B
11. A
12. C, D
13. C, D
14. D
15. C
16. A, D
17. B, D
18. C, D