# Set 06 Study Questions

1. Write a class whose members include a few static variables and a few static methods.  Then write a driver that calls the static methods and uses the static variables in some way.

2. True/False:  In order to run a static method, you must run it for a particular object (the current object).

3. True/False:  In order to run an instance method, you must run it for a particular object (the current object).

4. True/False:  An instance variable can be declared as _static_.

5. True/False:  The same class can contain some members that are static and some members that are non-static.

6. Which kinds of variables are given default values if you do not initialize them?  (Local/ instance/static?  Which ones?)

7. What default values are used for the variables mentioned above?

8. When writing JUnit tests, is it better to write many small tests, or a few long ones?

9. What is JUnit?

10. Give an example of the correct syntax for _assertEquals_ and _assertTrue_ in a JUnit test.

11. If a JUnit test has several separate assertions in it, will the test continue after one of the assertions fails?

12. If a JUnit test suite has several different JUnit tests in it (separate methods), will the rest of the tests run after one of them fails?