1) JUnits are used for which type of testing?

**a) Unit Testing**

b) Integration Testing

c) System Testing

d) Blackbox Testing

2) Which of the below statement about JUnit is false?

a) It is an open source framework

b) It provides an annotation to identify test methods

c) It provides test runners for running test

**d) They cannot be run automatically**

3) Which of the below is an incorrect annotation with respect to JUnits?

a) @Test

b) @BeforeClass

**c) @Junit**

d) @AfterEach

4) Which of these is not a mocking framework?

a) EasyMock

b) Mockito

c) PowerMock

**d) MockJava**

5) Which method is used to verify the actual and expected results in Junits?

**a) assert()**

b) equals()

c) ==

d) isEqual()

6) What does assertSame() method use for assertion?

a) equals() method

b) isEqual() method

**c) ==**

d) compare() method

7) How to let junits know that they need to be run using PowerMock?

a) @PowerMock

b) @RunWith(PowerMock)

c) @RunWith(Junits)

**d) @RunWith(PowerMockRunner.class)**

8) How can we simulate if then behavior in Junits?

a) if{..} else{..}

b) if(..){..} else{..}

**c) Mockito.when(…).thenReturn(…);**

d) Mockito.if(..).then(..);

9) What is used to inject mock fields into the tested object automatically?

**a) @InjectMocks**

b) @Inject

c) @InjectMockObject

d) @Mock

10) A JUnit Unit Test Case is compulsorily characterised by a/an known \_\_\_\_\_\_\_ and a/an expected \_\_\_\_\_

a) output, input

**b) input, output**

c) variable, literal

d) program, variable

11) To use JUnit in a project we need to add which JAR files on our test classpath?

a) junit.jar

b) hamcrest-core.jar

**c) junit.jar and hamcrest-core.jar**

d) java-junit.jar

12) What are fixtures in JUnit?

a) Objects that specify when to run a test

**b) Fixed state of a set of objects used as a baseline for running tests**

c) Bundle of few test cases run together

d) Date objects

13) JUnit test methods must compulsorily return what value?

a) String

b) int

c) Object

**d) void**

14) JUnit test files are written in files with which file extension?

a) .junit

b) .test

**c) .java**

d) .unit

15) What is the purpose of assertArrayEquals(“message”, A, B)?

a) Checks that “message” is in both A and B

b) Checks that “message” is in A but not B

c) Checks that “message” is in B but not A

**d) Asserts the equality of the A and B arrays**

16) Which annotation implies that a method is a JUnit test case?

a) @junit

b) @testcase

c) @org.Test

**d) @org.junit.Test**

17) What is a test runner?

**a) Used to execute the test file**

b) Defines the test file

c) Used to write test cases

d) Used to define annotations

18) Which methods cannot be tested by JUnit test class?

a) public methods

**b) private methods**

c) protected methods

d) methods with void return type

19) Which of the following is true about Maven?

a) Development team can automate the project's build infrastructure in almost no time using Maven.

b) Maven uses a standard directory layout and a default build lifecycle.

**c) Both of the above.**

d) None of the above.

20) Which of the following is true about 'build' Maven life cycle?

a) It cleans up artifacts created by prior builds.

**b) This is used to build the application.**

c) This generates site documentation for the project.

d) None of the above.

21) Which of the following phase in maven life cycle runs any checks to verify the package is valid and meets quality criteria?

a) integration-test

**b) verify**

c) install

d) deploy

22) Using which of the following way, you can activate a Maven Build Profile?

a) Explicitly using command console input.

b) Through maven settings.

c) Based on environment variables (User/System variables).

**d) All of the above.**

23) Which of the following is true about Maven local repository?

a) Maven local repository is a folder location on your machine.

b) It gets created when you run any maven command for the first time.

c) Maven local repository keeps your project's all dependencies (library jars, plugin jars etc).

**d) All of the above.**

24) Which of the following scope is the default scope?

**a) compile**

b) provided

c) runtime

d) test

25) What is the value for packaging element in pom for a project that is purely meta-data?

a) ear

b) war

c) jar

**d) pom**

26) Which of the following is correct about artifactId in Maven pom.xml?

a) This is an Id of the project.

b) This is generally name of the project.

**c) Both of the above.**

d) None of the above.

27) Which of the following phase in maven life cycle performs any operations necessary to prepare a package before the actual packaging?

a) process-resources

b) process-test-sources

**c) prepare-package**

d) None of the above.

28) Which of the following phase in maven life cycle processes and deploys the package if necessary into an environment where integration tests can be run?

a) process-resources

b) pre-integration-test

**c) integration-test**

d) None of the above.