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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Software Testing (course)

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Course outline

How does an NPTEL online course work?

Pre-requisite Assignment

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

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Week 10

Week 11

Week 12

Assignment 12

The due date for submitting this assignment has passed.

Due on 2020-12-09, 23:59 IST.

Assignment submitted on 2020-12-06, 18:13 IST

1) State true or false: Spike testing is a kind of stress testing.   **1 point**

- ⦿ True.
- ◯ False.

Yes, the answer is correct.
Score: 1
Accepted Answers:
True.

2) Testing for forward compatibility involves testing for which kind of the following features?   **1 point**

- ◯ Testing to accept inputs intended for modern versions of the operating system.
- ⦿ Testing to accept inputs intended for a former version of the software itself.
- ◯ Testing to accept inputs for a latter version of the software itself.
- ◯ Testing to accept inputs intended for a new version of third party products the software interacts with.

No, the answer is incorrect.
Score: 0
Accepted Answers:
Testing to accept inputs for a latter version of the software itself.

3) Testing done to ensure that the system under test performs under peak/stress conditions is called as   **1 point**

- ◯ Performance testing.

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○ Load testing.

○ Reliability testing.

◉ Stress testing.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Stress testing.

4) Which of the following is a list of black box testing techniques?   ***1 point***

○ Logic-based testing, performance testing, stress testing.

○ Load testing, stress testing, testing for covering loops.

◉ Testing based on partitioning inputs, load testing, stress testing.

○ Compatibility testing, functional testing, data flow testing.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Testing based on partitioning inputs, load testing, stress testing.

5) Which of the following best defines regression testing?   ***1 point***

○ Testing done on the entire software each time a part of it is modified.

◉ Testing done with modified and other relavant parts of software, whenever modifications
  are done.

○ Testing done for functionality of the entire software when it is modified.

○ Re-executing all the test cases and some new test cases on software each time it is
  modified.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Testing done with modified and other relavant parts of software, whenever modifications are
done.

6) Which of the following best defines a polymorphic call set?   ***1 point***

○ All the polymorphic methods.

○ All the methods that the designer wants to be polymorphic.

○ Set of polymorphic methods that can get executed in a class.

◉ Set of methods that can potentially execute as result of a method call through a particular
  instance context.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Set of methods that can potentially execute as result of a method call through a particular
instance context.

7) Which of the following is a correct order of subsumption amongst coverage criteria   ***1 point***
for testing object-oriented applications? Read → below as "subsumes".

○ All poly coupling defs and uses → All poly defs.

◉ All poly coupling defs and uses → All poly classes.

Yes, the answer is correct.
Score: 1

Accepted Answers:
All poly coupling defs and uses → All poly classes.

8) Testing for mobile phones apps at middleware and device level is done using which **1 point** of the following?

○ Mobile phones themselves.

○ Application development environment.

◉ Emulators that are custom-built.

○ Application within the phone.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Emulators that are custom-built.

9) Which of the following is a list of quality attributes that are tested using techniques   **1 point** for non-functional testing?

○ Interoperability, functionality, security.

◉ Security, performance, reliability.

○ Functionality, usability, scalability.

○ Testability, performance, controllability.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Security, performance, reliability.

10) State true or false: Regression testing is a white-box testing technique.   **1 point**

○ True.

◉ False.

Yes, the answer is correct.
Score: 1

Accepted Answers:
False.