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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Software Testing (course)Course
outlineAbout
NPTEL ()How does an
NPTEL
online
course
work? ()

Week 0 ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 9 ()

Week 12 : Assignment 12

The due date for submitting this assignment has passed.

Due on 2024-10-16, 23:59 IST.

Assignment submitted on 2024-10-11, 22:01 IST

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

- ☐ Interoperability, functionality, security
- ☒ Security, performance, reliability
- ☐ Functionality, usability, scalability
- ☐ Testability, performance, controllability

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Security, performance, reliability*2) State true or false: Security testing also involves testing for authorization and authentication policies that grant access permissions to users for files. **1 point**

- ☒ True
- ☐ False

Yes, the answer is correct.

Score: 1

Accepted Answers:

*True*3) Which of the following best defines regression testing? **1 point**

- ☐ Testing done on the entire software each time a part of it is modified

Week 10 ()**Week 11 ()****Week 12 ()**

- ☐ Testing of Object-Oriented Applications (unit? unit=93&lesson=94)
- ☐ Testing of Mobile Applications (unit? unit=93&lesson=95)
- ☐ Non-Functional System Testing (unit? unit=93&lesson=96)
- ☐ Regression Testing (unit? unit=93&lesson=97)
- ☐ Software Testing: Summary at the End of the Course (unit? unit=93&lesson=98)
- ☐ Practice: Week 12: Assignment 12 (Non graded) (assessment? name=210)
- ☐ Week 12 Feedback Form: Software Testing (IIITB) (unit? unit=93&lesson=166)

- ☒ Testing done with modified and other relevant parts of software, whenever modifications are done
- ☐ Testing done for the 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 relevant parts of software, whenever modifications are done

4) 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

5) In regression testing, which of the following is done before test case selection?

1 point

- ☐ Identifying coverage criteria
- ☐ Writing a new set of test cases for the modified program
- ☒ Identifying obsolete test cases that are invalid for the modified program
- ☐ Executing all the test cases for the original program again

Yes, the answer is correct.

Score: 1

Accepted Answers:

Identifying obsolete test cases that are invalid for the modified program

6) Which of the following is not a software quality metric?

1 point

- ☐ Product quality metrics
- ☐ Functional quality metrics
- ☐ In-process quality metrics
- ☒ Maintenance quality metrics

No, the answer is incorrect.

Score: 0

Accepted Answers:

Functional quality metrics

7) State true or false: Documentation testing involves verifying the troubleshooting guide with actual errors.

1 point

- ☒ True
- ☐ False

Yes, the answer is correct.

● Quiz: Week
12 :
Assignment
12
(assessment?
name=224)

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sessions ()

Books ()

Score: 1

Accepted Answers:

True

8) While testing mobile applications, which of the following testing techniques addresses device fragmentation issues?

1 point

- ☐ Functional testing
- ☒ System testing
- ☐ Usability testing
- ☐ Security testing

No, the answer is incorrect.

Score: 0

Accepted Answers:

Usability testing

9) Which of the following types of testing is performed to measure the ability of a system to keep operating over specified periods (typically several months or years) of time?

1 point

- ☐ Compatibility testing
- ☐ Security testing
- ☒ Reliability testing
- ☐ Performance testing

Yes, the answer is correct.

Score: 1

Accepted Answers:

Reliability testing

10) State yes or no: In a piece of Java code over a class inheritance hierarchy that uses methods that are overridden, can all the method calls be determined statically?

1 point

- ☐ Yes
- ☒ No

Yes, the answer is correct.

Score: 1

Accepted Answers:

No