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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Software Testing (course)Course  
outlineHow does an  
NPTEL  
online  
course  
work? ()Pre-requisite  
Assignment  
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## Week 12 : Assignment 12

The due date for submitting this assignment has passed.

Due on 2022-10-19, 23:59 IST.

### Assignment submitted on 2022-10-19, 22:25 IST

1) State true or false: Regression testing is a white-box testing technique as it tests for **1 point** the changes done to the code.

☐ True.☒ False.

Yes, the answer is correct.

Score: 1

Accepted Answers:

False.

2) Let  $P$  be a program and let  $P'$  be a modified version of  $P$ . When do we say that a **1 point** particular test case  $t$  is obsolete for  $P'$ ?

☒Test case  $t$  is obsolete for  $P'$  if it has an input that is not valid for  $P'$ .☐Test case  $t$  is obsolete for  $P'$  if it does not produce an output on execution.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Test case  $t$  is obsolete for  $P'$  if it has an input that is not valid for  $P'$ .

3) State true or false: Testing for non-functional or quality requirements can be done at **1 point** all the phases of software development.

☐ True.☒ False.

**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)
- ☐ Week 12 Feedback Form: Software Testing (unit? unit=93&lesson=135)
- ☒ Practice: Week 12 : Assignment 12 (Non Graded) (assessment? name=122)
- ☒ Quiz: Week 12 : Assignment 12 (assessment? name=149)

**Learning Materials ()****DOWNLOAD VIDEOS ()**

Yes, the answer is correct.

Score: 1

Accepted Answers:

*False.*

4) If a software application version  $X$  released in the year 2007 can be used on version  $Y$  of the same application released in the year 2010, what does it indicate regarding its compatibility? **1 point**

☒

The application  $X$  is forward compatible.

☐

The application  $X$  is backward compatible.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*The application  $X$  is forward compatible.*

5) If a particular file available in a particular web link is set to have "Readonly" access to all the users, then, it is an example of which kind of quality requirement? **1 point**

☐

It is an example of a confidentiality requirement.

☐

It is an example of a reliability requirement.

☒

It is an example of a security authorization requirement.

☐

It is an example of a security authentication requirement.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*It is an example of a security authorization requirement.*

6) Installation instructions are made available as a part of the software package. What are these instructions a part of? **1 point**

☒

They are a part of the software documentation.

☐

They are a part of the software operations procedure.

☐

They are a part of the regulatory requirements for the software.

☐

They are a part of the availability requirements of the software.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*They are a part of the software documentation.*

7) Which of the following terms represents the testing that is done to find the upper limit capacity of the inputs that a particular system can handle? **1 point**

☐

Performance testing.

☐

Load testing.

☐

Spike testing.

☒

Stress testing.

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Spike testing.*

**Text  
Transcripts ()**

**Live  
sessions ()**

**Books ()**

8) Which of the following is a list of key challenges in testing of mobile applications? **1 point**

- ☒ Device fragmentation, different mobile networks, compatibility across platforms.
- ☐ Key challenge is related to mobile applications being different from that of desktop applications.
- ☐ Mobile applications have to be tested within a mobile phone only, this is the key challenge.
- ☐ Testing across platforms is the only key challenge.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Device fragmentation, different mobile networks, compatibility across platforms.*

9) When performance testing is considered for mobile applications, which of the following aspects are tested for? **1 point**

- ☐ Screen size, operating systems and browsers.
- ☒ Network coverage, memory and battery.
- ☐ Speed with uniform user experience.
- ☐ Load and stress in terms of the number of users.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Network coverage, memory and battery.*

10) Which of the following is a list of interrupts that mobile applications are tested for? **1 point**

- ☐ Network coverage, memory and battery.
- ☒ Network outage, incoming/outgoing calls and messages.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Network outage, incoming/outgoing calls and messages.*