

Answer Submitted.

X


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

Course outline

How does an NPTEL online course work? ()

Pre-requisite Assignment ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

● Lecture 15 - Data Flow Graph Coverage Criteria : Applied to Test Code (unit? unit=38&lesson=39)

● Lecture 16 - Software Design and Integration

Week 4 : Assignment 4 (Non Graded)

Your last recorded submission was on 2022-08-24, 18:29 IST

Note : This assignment is only for practice purpose and it will not be counted towards the Final score

1) If method A uses a variable v shared with method B , where A writes to v and B reads from v , then, it is an example of which kind of coupling interface listed below? **1 point**

- ☐ External device coupling.
☐ Parameter coupling.
☐ Interface coupling.
☒ Shared data coupling.

Yes, the answer is correct.
Score: 1

Accepted Answers:
Shared data coupling.

2) Choose an answer from the options below: A node in a callee function that defines a variable x and has a def-clear path from the node through a call site to a caller function is referred to as **1 point**

- ☐ Last-def of x .
☐ Def of x .
☒ First-use of x .
☐ Use of x .



Testing (unit?
unit=38&lesson=40)

● Lecture 17 -
Design
Integration
Testing and
Graph
Coverage
(unit?
unit=38&lesson=41)

● Lecture 18 -
Specification
Testing and
Graph
Coverage
(unit?
unit=38&lesson=42)

● Lecture 19 -
Graph
Coverage and
Finite state
Machines
(unit?
unit=38&lesson=43)

● **Practice:**
Week 4 :
Assignment 4
(Non Graded)
(assessment?
name=115)

● Quiz: Week 4 :
Assignment 4
(assessment?
name=139)

● Week 4
Feedback
Form:
Software
Testing (unit?
unit=38&lesson=127)

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 9 ()

Week 10 ()

No, the answer is incorrect.

Score: 0

Accepted Answers:

Last-def of x.

3) State true or false: Both top-down and bottom-up integration testing work well with a **1 point** hierarchical design.

☒ True.

☐ False.

Yes, the answer is correct.

Score: 1

Accepted Answers:

True.

4) State true or false: Control flow graphs are finite state machines representing code. **1 point**

☒ True.

☐ False.

No, the answer is incorrect.

Score: 0

Accepted Answers:

False.

5) Which of the following best describes pre-conditions in finite state machines? **1 point**

☒ They are conditions that must be true for transitions to be taken.

☐ They represent sequencing constraints that describe the order in which methods need to be called.

Yes, the answer is correct.

Score: 1

Accepted Answers:

They are conditions that must be true for transitions to be taken.

Check Answers and Submit

Your score is: 3/5



Week 11 ()
Week 12 ()
Learning Materials ()
DOWNLOAD VIDEOS ()
Text Transcripts ()
Live sessions ()
Books ()

