

Answer Submitted.

X


<https://swayam.gov.in>

[https://swayam.gov.in/nc\\_details/NPTEL](https://swayam.gov.in/nc_details/NPTEL)

manish.19230@knit.ac.in ▾

**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 ()

Week 5 ()

Week 6 ()

● Logic Coverage Criteria: Applied to Test Code\_1 (unit? unit=52&lesson=53)

● Logic Coverage

# Week 6 : Assignment 6 (Non Graded)

Your last recorded submission was on 2022-09-07, 18:40 IST

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

1) Where do logical predicates occur in finite state machines?

**1 point**

- ☐ They occur in the specification of finite state machines.
- ☐ They occur at decision points in finite state machines.
- ☒ They occur as guards in transitions of finite state machines.
- ☐ They occur in the nodes of finite state machines.

Yes, the answer is correct.

Score: 1

Accepted Answers:

*They occur as guards in transitions of finite state machines.*

2) How many test cases will be needed to achieve predicate coverage over a predicate with n clauses? **1 point**

- ☒ Two.
- ☐ n.
- ☐ n + 1.
- ☐ 2 n .

Yes, the answer is correct.

Score: 1

Accepted Answers:

*Two.*

Criteria:  
Applied to Test  
Code\_2 (unit?  
unit=52&lesson=54)

● Logic  
Coverage  
Criteria: Issues  
in Applying to  
Test Code  
(unit?  
unit=52&lesson=55)

● Logic  
Coverage  
Criteria:  
Applied to Test  
Specifications  
(unit?  
unit=52&lesson=56)

● Logic  
Coverage  
Criteria:  
Applied to  
Finite State  
Machines  
(unit?  
unit=52&lesson=57)

● Practice:  
Week 6 :  
Assignment 6  
(Non Graded)  
(assessment?  
name=116)

● Quiz: Week 6 :  
Assignment 6  
(assessment?  
name=141)

○ Week 6  
Feedback  
Form:  
Software  
Testing (unit?  
unit=52&lesson=129)

**Week 7 ()**

**Week 8 ()**

**Week 9 ()**

**Week 10 ()**

**Week 11 ()**

3) State yes or no: If a specification predicate is in Conjunctive Normal Form (CNF) then, a major clause can be made active by making all other clauses true.

**1 point**

☒ Yes.

☐ No.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Yes.

**Check Answers and Submit**

Your score is: 3/3

|                              |
|------------------------------|
| <b>Week 12 ()</b>            |
| <b>Learning Materials ()</b> |
| <b>DOWNLOAD VIDEOS ()</b>    |
| <b>Text Transcripts ()</b>   |
| <b>Live sessions ()</b>      |
| <b>Books ()</b>              |