

Unit 7 - Week 5

Course outline

How to access the portal

Pre-requisite Assignment

Week 1

Week 2

Week 3

Week 4

Week 5

☐ Assignment 4: Graph Coverage Criteria

☐ Logic: Basics Needed for Software Testing

☐ Logic: Coverage Criteria

☐ Coverage Criteria, Contd.

☐ Logic Coverage Criteria

☐ Feedback for week 5

☒ Quiz : Assignment 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

DOWNLOAD VIDEOS

Text Transcripts

Assignment 5

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-09-04, 23:59 IST.

Consider the propositional logic formula $p = \neg q \vee r$. Answer the following questions related to p .

1) Will the assignment $q = \text{true}$, $r = \text{false}$ make p true?

1 point

- ☐ Yes
- ☐ No

No, the answer is incorrect.

Score: 0

Accepted Answers:

No

2) With reference to the truth table for p , how many different assignments for q and r are there?

1 point

- ☐ One
- ☐ Two
- ☐ Three
- ☐ Four

No, the answer is incorrect.

Score: 0

Accepted Answers:

Four

3) How many different assignments for q and r can make p true?

1 point

- ☐ One
- ☐ Two
- ☐ Three
- ☐ Four

No, the answer is incorrect.

Score: 0

Accepted Answers:

Three

4) Is p a satisfiable formula?

1 point

- ☐ Yes
- ☐ No

No, the answer is incorrect.

Score: 0

Accepted Answers:

Yes

Consider the predicate $p = a \wedge b$. Answer the following questions related to logic coverage criteria over p .
Truth table for p , with row numbers are given below

No.	a	b	p
1	T	T	T
2	T	F	F
3	F	T	F
4	F	F	F

5) Which of the following represents p_a , conditions under which clause a determines p ?

1 point

- ☐
- $p_a = a$
- ☐
- $p_a = b$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$p_a = b$

6) Which of the following represents p_b , conditions under which clause b determines p ?

1 point

- ☐
- $p_b = a$
- ☐
- $p_b = b$

No, the answer is incorrect.

Score: 0

Accepted Answers:

$p_b = a$

7) With reference to the truth table row numbers above, GACC pair(s) for clause a is which of the following?

1 point

- ☐ Rows (1,3) and (1,4)
- ☐ Row (1,3) only
- ☐ Rows (1,2) and (1,3)
- ☐ Row (1,2) only

No, the answer is incorrect.

Score: 0

Accepted Answers:

Row (1,3) only

8) With reference to the truth table row numbers above, GACC pair(s) for clause b is which of the following?

1 point

- ☐ Rows (1,3) and (1,4)
- ☐ Row (1,3) only
- ☐ Rows (1,2) and (1,3)
- ☐ Row (1,2) only

No, the answer is incorrect.

Score: 0

Accepted Answers:

Row (1,2) only

9) State true or false: GACC pairs for clauses a and b are the same as CACC pairs.

1 point

- ☐ True
- ☐ False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True

10)State true or false: RACC pairs for clauses a and b are the same as CACC pairs.

1 point

- ☐ True
- ☐ False

No, the answer is incorrect.

Score: 0

Accepted Answers:

True