Unit 7 - Week 5

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 $p = \neg q \lor r$. Answer the following questions related to p.

1) Will the assignment q = true, r = 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 $p = a \land b$. 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