2023W33 / Module SAT: Proposition / SAT1Q (Q		
SAT1Q (Quiz 1)		
Started on	Monday, 16 October 2023, 7:18 PM	
State Completed on	Finished Monday, 16 October 2023, 7:33 PM	
Time taken Grade	15 mins 1 sec 2.50 out of 5.00 (50%)	
Question 1 Incorrect Mark 0.00 out of 2.00  F Flag question		
Given formula $(\neg a \lor b) \land (a \lor \neg b) \land (a \lor b)$ . Which of the following assignments satisfy this formula?		
□ 1. none ×	ignification out of the control of t	
2. {¬a, ¬b}		
3. {¬a, b}		
4. {¬a, b}	`	
5. {a, b}		
Die Antwort ist falso The correct answer {a, b}		
Question 2 Correct Mark 1.00 out of 1.00  F Flag question		
Given the truth table variable a, b, c:	e of propositional formula φ over	
a b c φ 0 0 0 1 0 0 1 1 0 1 0 0 0 1 1 1 1 1 1 0 0 0 1 1 1 1 1 1 0 0 1 1 1 1  How many models	floes in have?	
Answer:	,	
5		
The correct answer	is: 5	
Question 3 Partially correct		
Mark 1.50 out of 2.00		
Flag question		
Which of the follow	ing statements hold?	
1. (a ∨ ¬a) ∧ satisfiable.	(b ∨ ¬b) ∧ (c) ∧ (¬c) is	
	c) is a clause. 🗶	
satisfiable.	c) ∧ (¬b ∨ b ∨ c ∨ a) is ✓	
_ 4. (¬a) ∧ (¬b) satisfiable.	) ∧ (¬c) ∧ (a ∨ b ∨ c) is	
equivalent	e) and ( b∨c ∨ ¬a∨c) are ✓ (under any assignment, he same value).	
_ 6. (¬b ∨ c) is	a literal.	
Die Antwort ist teilw		
You have selected t The correct answer	s are:	
	∨ b ∨ c ∨ a) is satisfiable., ∨ c ∨ ¬a ∨ c) are equivalent	
	ent, they have the same value).	