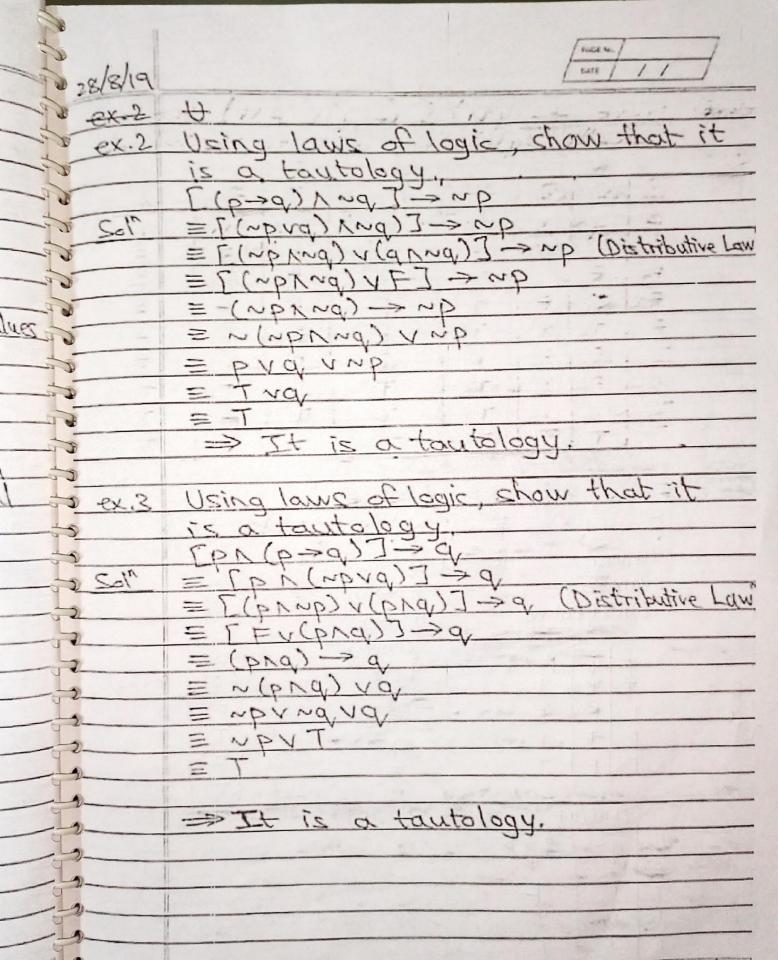
1	[PASE YAS]								
	s. Logic								
	state to come								
	It is used to determine if a								
70	- particular radianing or argument								
	particular reasoning or argument is true or false.								
	15 true or route.								
->	Proposition.								
•	disposition								
It is a declarative statement which									
	be either true or false but not both of them.								
	Part of the state								
->	Compound Proposition								
_	the state of the s								
	It consists of many propositions converted								
-	It consists of many propositions converted.								
-									
-110	1) Conjunction -> 1 (AND)								
	eg. p \ q								
	P&q.								
	P q Touth value								
	+ + + +								
_	TFF								
_	FTF								
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-	a) Die im abina								
2) Disjunction -> V (OR)									
	p+q								
7	porq								
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	P Q Truth value.
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0	3) Negation -> N
8	eq. Np
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9	
•	p Truth value
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2	
5	a) Logical Implication .
2	It pand of are statements, then be
2	If p and a are statements, then the compound statement, "if p then q" denoted by p > q is called implication.
7	
7	Pla Truth Value (page 7 Dra)
2_	+ + + + + + + + + + + + + + + + + + + +
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2-	s) Biconditional Statement
3-	If p & q are statements, then the
-	statement "if and only if p theng"
7-	denoted by peop is called
7-	equivalence or biconditional.
	(qupr)/(pvqr) = p \leftarrow q
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	P q Truth value
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->	Tautology.
	always
	Statement is true for all possible values of its propositional variables.
	of its propositional variables.
->	Contradiction .
	Statement is always false for all possible values of its propositional variables.
	possible values of its propositional
	variables.
	15 a 2 - none + 1 to have
[ex.]	verify the proposition
- 10	proprieta le a tautology
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	=> It is a toutology.
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