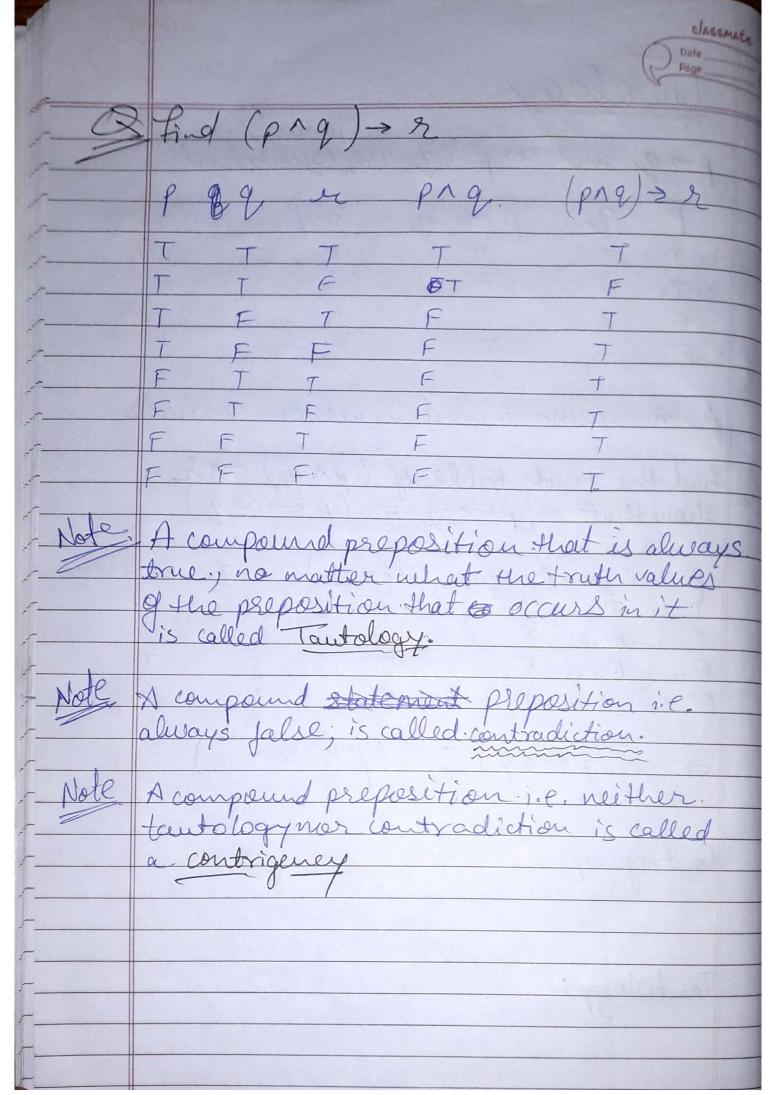


	Date Page		Christate Organ
	In 1820: When you make the conditional		Tautology logically.
	Inverse: When you make the conditional Stretement negativel: Converse: when you flip the conditional statement around.		Lautology popically . popically . popically . popically .
77 37	Compact with the said the said the statement	1 Q	= p -> q. and ~ p vg are equivalent
	corners - when you flep the was		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-	coround.		Pq. p > q ~ pvq
	Contrapositive: When you make the continues somewhat		TTTF
	contrapositive: ulhen you make the converse statement negative then it is contrapositive.		TFFFF
~			$\begin{array}{cccccccccccccccccccccccccccccccccccc$
(2)	If two angles are conqueent then they have same measure.		FF. T. T.
	Same measure.		
	MARKET TO THE RESIDENCE OF THE PARTY OF THE		from column 3 and 5, we can conclude.
	Topperso. The true angles are not conquent		
	Inverse: If two angles are not conqueut then they are not of same measure	. 0	find the trulle talelle of (ena.) - &.
	their thorone not of ser	9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Company II have also have come made to a		find the truth table of $(\rho \land q) \rightarrow r$. Show that $\sim (\rho \Leftrightarrow q) \equiv (\rho \Leftrightarrow \sim q)$
	converse. If the angles have same markers		
	Comerze: If turangles have same measure		p q $p \leftrightarrow q$ $N(p \leftrightarrow q)$ $N(p \leftrightarrow q)$ $P \leftrightarrow N(q)$
			T T T T T T T T T T T T T T T T T T T
14	subsuperitive: It two angles do not have		T F F T F T
	same measure they are not conqueent,		FT. FT. FT.
-			F F T F T F
			$\Rightarrow N(p \Leftrightarrow q) \equiv (p \Leftrightarrow nq),$
			Contrigency:
	AND THE RESERVE OF THE PARTY OF	+1	Out & genty.
		-	
			Touto logy:
			Ot >
-			
-			



Algebra Laws of prepasition Algebra Laws of prepasition Didentity PAT	$ \frac{Q}{Q} (P $
3 Idempotent Law (1) Contrapositive Law. PNP (=> p. (p > g) (=> \omega q > \omega p. PAP (=> p. (2) Tantology (4) Double Negation Law. PANP (=> p. (2) Contralistive	$ \begin{array}{c} Q \sim (q \rightarrow p) \vee (p \wedge q) \Leftrightarrow q. \\ \sim (\sim q \vee p) \vee (p \wedge q) \\ (q \wedge \sim p) \vee (q \wedge p) \\ q \wedge (\sim p \vee p) \\ q \wedge T \end{array} $
(13) Contradiction - (5) Sommutative Law . $p \land p \Leftrightarrow F$ $p \land q \Leftrightarrow q \land p$ $p \land q \land q \land q \land p$ $p \land q \land $	Normal Form of Lompound Preposition. -> CNF (Conjuctive Normal Form) -> DNF (Disjunctive Normal Form).
(prg)rr => pr(qrr) (3) Distributive daw pr(qvr) => (prq)v(prr) pv(qrr) => (pvq)r(rrr) (8) De Morgans Law. ~ (pvr) => ~pr~r ~ (pr) => ~pr~r ~ (pr) => ~pr~r.	A compound composition is in DNF if it is thered or disjunction of two are more torms (DR of AND) A compound precomposition is in (NF if it is the clause or a conjunction of 2 or more clause. (AND of OR)

Date Page	Doste Page
max term - "and of OR"	Argument Validation.
tosus > OR of AND	Quantifiers.
- O NOVO (S) (PAG)	> Univeral Quantifier & n CA > Quantifier 7 x EA.
1.0000	
$= \left[\sim (\rho \vee q) \rightarrow (\rho \wedge q) \right] \wedge \left[\rho \wedge q \right] \rightarrow \sim (\rho \vee q)$ $= \left[\sim (\sim (\rho \vee q)) \vee (\rho \wedge q) \right] \wedge \left[\sim (\rho \wedge q) \vee \sim (\rho \vee q) \right]$	1) If two sides of triangle are equal:
= [pvq) v (pnq) / ~ (pnq) v ~ (pvq)	2.) Two sides of a are not equal.
= (pvq) V (pnq) 1 (~pn ~q) V (~pn ~q)	the opposite angle are not equal.
= [(pvqvp) \ (pvqvq) \ \ (pp. V ~ q V ~ p) \ (~ p V ~ q)	Conclusion
= [(pvq) \((pvq))] \((\opv\\\\\\\)) \((\opv\\\\\\\\))	Pro P -> Q.
$= (p \vee q) \wedge (p \vee p \vee p)$	P; NP.
It is (and of or") so it is maxterin and CNF.	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
- [pvq, n ~ p) v (pvq, n ~ q)	FITT
$((\rho \vee 2) \wedge \sim \rho) \vee ((\rho \vee 2) \wedge \sim 2)$	F E. T. T.
((PNOP) V(QQNOP)) V ((PNOQ) V(QNOQ)	82
Soit is minterin & DNF.	.", The Statement is invalid.

