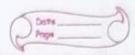
(VOB-1 Logic. Induction & Reasoning 2151 NOV proposition L, It is a declarative sentence that either true or false IN THE PERSON but (not) both EO: n today is monday to still and the state tips ant mort rosis aus (ii III) POKROTO is capital of Nepal 111 1 + 2 = 3 1) It x is jutedon X, it boritine Integer Following aren't projection 1) x t 2 = 3 ( awaran zi x ) waxaawa)



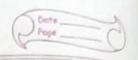
11) Let him go! (Exclamation) MID DO YOUR WORK · (Imperative) (x) obama was a great president of ush CAR PRANTAL SYNTHE COPINION v) ciose the window (command) 6) what is your mobile no? (Interrogation) apiticogorg O Atomic Addition of AVIDA noitizogorg CATOMACK IN A DO compound proposition

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0	ntomic preposition
	can't be broken down farther
	a single statement proposition
	Lagarion negation
	CAM DA UNA AVA DA CIAIDA
0	compound preposition
	L combination of the two or more
	gromic proposition
	pro
	100101
	p v o operator connection
	P → Q
	P <> P
	Tes les on the first a grange of and
	T P T T T T T T T T T T T T T T T T T T
	Truth Tuble
	d cross loss variables can combine d
	shows how variables can compine &

their results.



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-				1		

get new propositions from given en oitizogorg

common used connectives are: ouso but

(1) (DAJUCTION (AND)

denoted by

(11) Disjunction (OR)

denoted

(III) Negation (NOT)

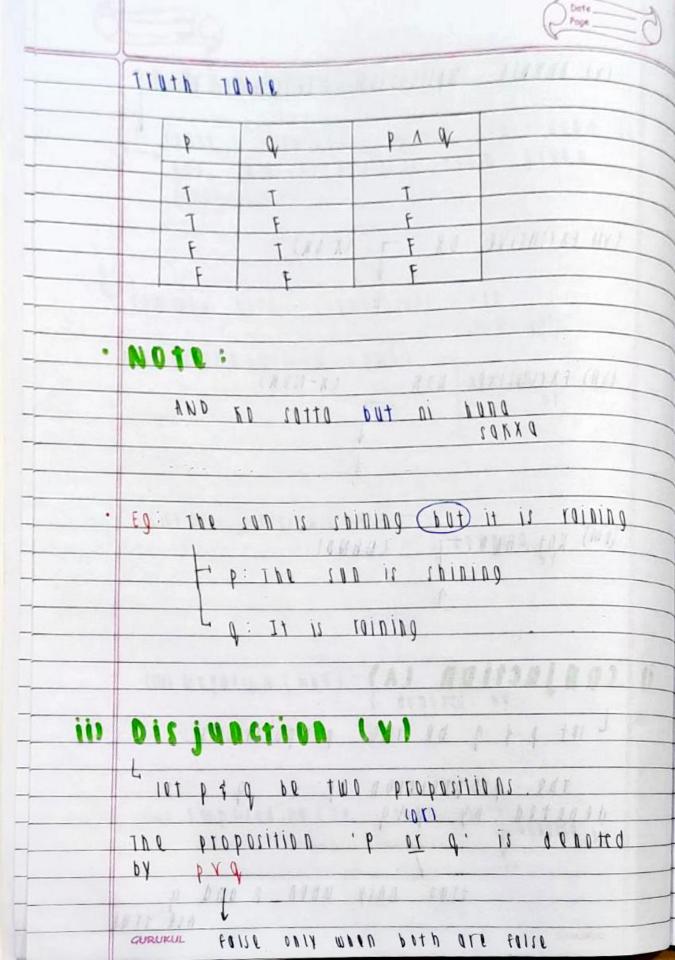
denoted by

31401 11017 1 (14) Implication (If ... then ...) > faither and rold highly to

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(v) DOUBLE implication (If & only if )
4-7
(VI) EXCIUSIVE OR (X-OR)
· ·
•
(VII) FXCIUSIVE NOR (X-NOR)
NOR*
· ·
TABLES OF HEAD PRINTED IN AND ARE IN .
(VIII) HOT AND TOURIND
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9.41(9.16) 25 55 5 2
i) conjuction (A)
Liet b & d p6 tmo bLobosition?
The proposition 'p' + 'q' is
denoted by pro
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true columbat e and e
true only when p and q
GURUKUL AND AND AND AND





6 ) nartemy

## sidot storit

61.10	PVQ	4	p
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## iii) Negarion (7)

ti let p be the proposition.

"I pero set ton si tt" the mostosi edit

It is denoted by TP

## Truth Table

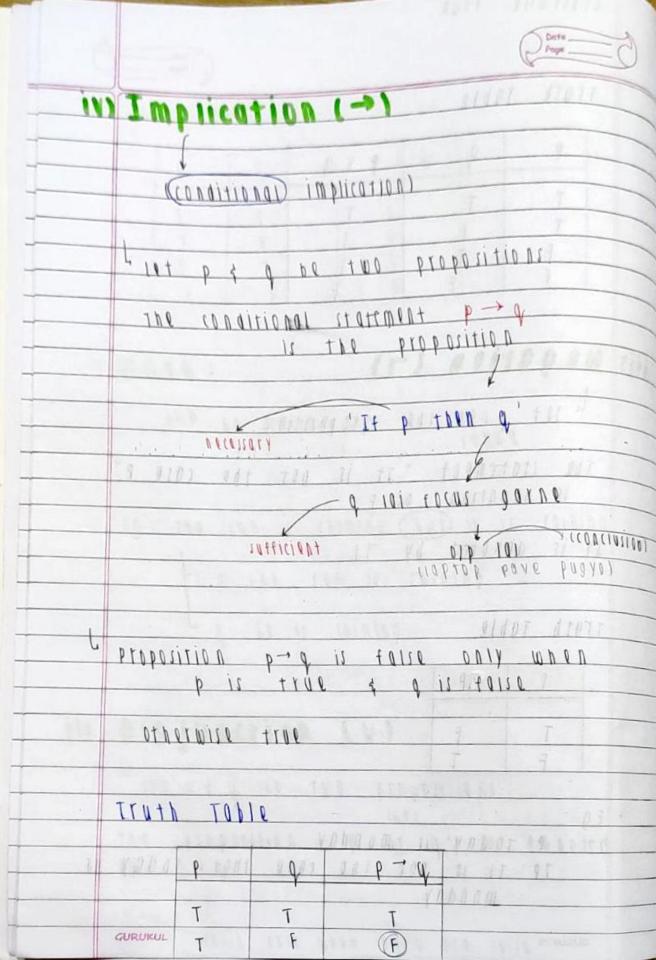
P	1077	5 1117 11 8
T	F	9.077 271.0012.670
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· E0:

P: TOday is monday

monday.

91007 11111 .



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b: I pocome HOD							
				(7619-6440) Tip 1/1			
	liw I : p	giv	e 10p10p	to every student			
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	$b \rightarrow d$						
			9 00013	Committee that			
	11) (1 V c + 1)	0 V D T I	112 22	ditional statement			
1		KVAL	(12 (11	ditional statement			
ime i) If p then q							
ii) If P. Q							
	0.31 ÷ 10.010 (440) (10.00 (10.0) 10.466 11.0						
	iii) P is sufficient for q						
	iv) q if p						
	ANIBORNAL DE SUSTILIANS CHIA						
	vii p imp						
				15 13 3 10 00 5 5 1 5 2 1			
	$p \rightarrow q$ , $q \leftarrow p$ (both)						
	ditton						
	1/1	70.01.3	2000000	12012 200 114 1 1			
	GURUKUL GURUKUL		101	p is q			

	Prope 3
	ix) a sufficient condition
71	tor & is b
	X) & Chineses b
	xi) q is necessary for p.
	4 mort (swoll of p
	xiling unions to start and a state of
	y gaga q acuvi
	the northeast ) wind blows from
	Yeiko Paxadi) ko ici kupathacii
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	add of to it
	P: The wind blows from the
	GURUKUL NOTTH COST.



Questicient to be world famous

P: YOU top are world famous

9: YOU can get tonure as a professor

When the file system is full.

p: The file system is full

( 9: The automoted yearly cannot be sent.

p -> 79

· Denotion in terms of compound proposition

O ROM is either smart OF honest Out kan is

troms is he is smart

(p v q) 1 (p → 7 q)

gurukut ROM IS NO NOST

p: Ram is smart