1-16 = 1111 = d1-1 Date Page 11F "If you send me on email message then 290 "The win finish writing the program" "If you do not send me an email msg I will go to sieep early." If I go to sleep early then I will wake Up feeling refreshed." writing the extent then I will work up feeling refreshed." Propositions: · p = You send me an email message · q = I will finish writing program · r = I will go to sleep early

· s = I will wake up feeling

refreshed Hypothesis: b -d 7p - F r - s 2 X E

			'	
	CONCIUS	inn:	Date Page	
+		79 -5		
+				
+				
	2. N.	statement	,	
	1	$D \rightarrow 0$	Reason	
	1.		Hypothesis	
	2.	79 - 70	nogical equivalence	
		1	Contrapositive  of (i)	
			01 (1)	
	3	7p -> r		
			Hypothesis	
	1.4	70 - 1	lleina bunnthalian	
			Using hypothetical	
			\$ \( \frac{1}{10}  \text{ism of (2) & (3)}	
	5.	$r \rightarrow s$	er Hypothesis a	
			T PV I II COLV	
	<b>6</b> .	7975	Hypothetical syllogism	
	,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2.	" Pawan	"POWON WILL OD tO PAT OF LUMBINI." "IF he goes		
	to lumbing be will not visit soronkot." "If he			
	doesnot	visit sarannot, he will g	to tilayranot."	
	"He di	1 not go to PKY"		
		implies conc. "H	e visited tiloutokot"	
	Propositi			
		7790t of unit of $7790t$		

p = Pawan will go to PKr q = Pawan will go to Lymbini



## r = He will visit. soron kot s=He will visit Tilourakot

Hypothesis:

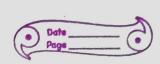
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conclusion:

statement 2.11. Reason pra Hypothesis

Hy pothesis Disjunctive Syllogiam 71-0 Hypothesis 71-15 Hypothesis 5

9 - 5 Hypothetical . syllogism



			Page
	7.	S	vusing modus poneus.
			in (3) \$ (6)
	RC101	ution print	ciple
		•	
	L GOY	of proving an	argument is correct
			implier, conjuction
	O only	distunction	sab lai dirjunction
			ma garne
	(ii) cious	e 1,2 vanera aa	
		· · · · · · · · · · · · · · · · · · ·	
	m vori	opleg 1 1 - conta.	littrals
and the band of	(ii) conc	lucion gimore in	negation.
-			
	(1: P	•	
-	(2:1P)	V Q	
	(3:70	conclusion	(10 7]
	(4:0	[from (1 4 (2)	
	(5: []	Ifrom (3 f (4)	
-	4	disting des	in the first the
-	J		
	yo v	one correct	



1 "If today is tuesday, I have a test in maths C3: or economics." "If my eco prof is sick, I will not have a test in eco." "Today is Tyesday and (4: my eco prof is sich "Therefore, I have a test in (5: mathe matics." - conclusion CP: Propositions: (7: p = Today is Tuesday q=Ihore test in moths to I have test in Eco. C8: · s = my eco prof is sich cg: Hypothesis: , p -> q = Tp Vq p-Iqvr) conclusion: ci : 7p V (q V r) P q = 7p V q Reason
Hypothesis Hypothesis (2): 75 Y71 Hypothesis

	PAQ => P matra lekhaa W			
	Date Page			
· (3:	P using simplification in Pas			
	ASTRA STREET,			
CA:	S using simplification in Ths			
(5:	79 negation of conclusion			
0.11				
<u>re</u> :	TP VQ V75 From (14 (2 r 47 F Kotiyo			
(1:	9 V 7 S F T O M C3 4 C6			
- 1	9 V 7S From C3 4 C6			
C8:	Q FIOM (4 t (7			
(0:	FIOM C54 (8			
3.	"It is not roining or site bus her umbrelle." "site			
	does not have her umbrella of she doesn't get wet."			
	"It is raining or sita doesn't get wet"  implies			
	"sito does not get wet."			
	Propositions:			
	· p = It is raining			
	· q = sito has her umbrella			
	· r = sito gets wet			
	Hypothesis:			
	7F Y 9 P Y 7F			
	77 y pr			
	,4 1 11			

