

CHAPTER - 4

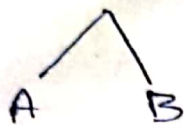
S. Chowdhury.

TRUTH TREE METHOD

সত্য সত্যি পদ্ধতি

Truth Tree 'v', '&', '→' নির্দেশ করতে হবে,

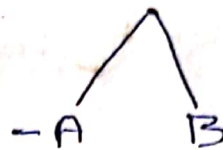
$A \vee B$



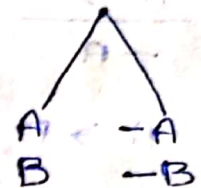
$A \& B$

A
B

$A \rightarrow B$

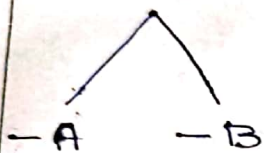


$A \leftrightarrow B$



$A \downarrow B \Leftrightarrow -A \downarrow -B$ $A/B \Leftrightarrow -A \vee -B$

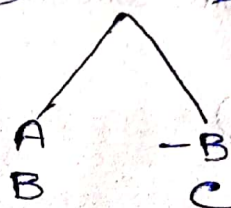
A/B



$A \downarrow B$

-A
-B

$[A, B, C]$



$[A, B, C] \Leftrightarrow$

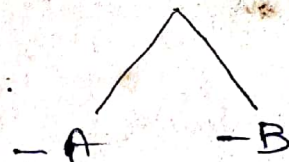
$(A \& B) \vee (-B \& C)$



$-(A \vee B)$

-A
-B

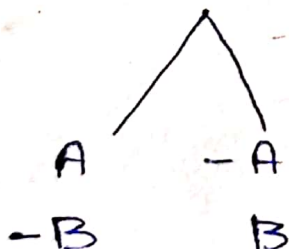
$-(A \& B)$



$-(A \rightarrow B)$

A
-B

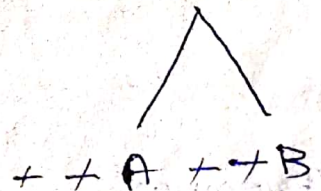
$-(A \leftrightarrow B)$



$-(A/B)$

++A
++B

$-(A \downarrow B)$



$-[A, B, C]$

-(A & B)
-(-B & C)

