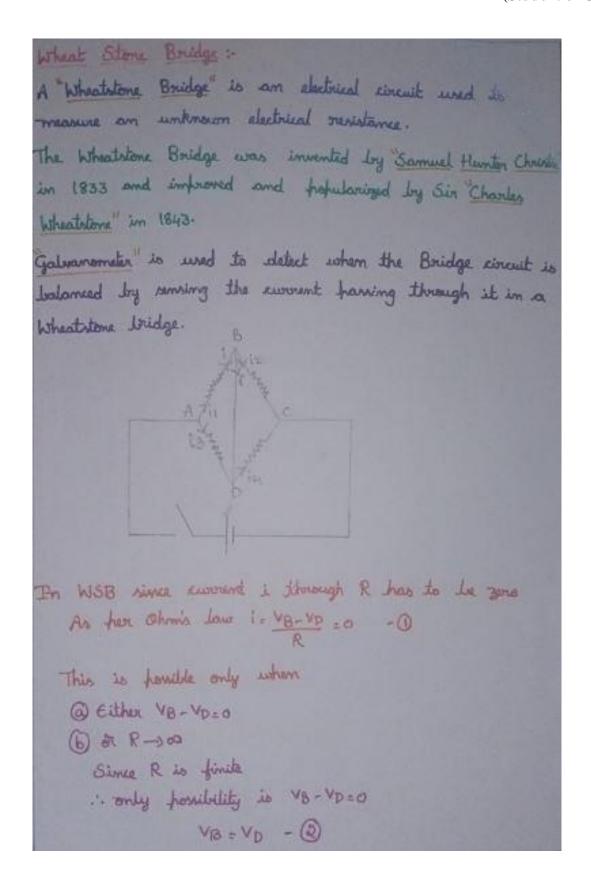
Understanding Wheatstone Bridge Principle

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As her "Kirchoffs Current hour", at node B 4.1+12

In Wheatstone Widge i = 0

11=12 - S

At node D 13+1=14

Since i =0

43 = 44 - B

VB: VA. I, KRI - Voltage equation for AB

in = MA-VA

42 : <u>VA - Va</u> (0)

A) = NB-VC -(9)

12 = VD-VC -(8)

From equations (5) and (9)

VA - VB = VB - VC

From equations @ and 3

Rewrite equation (a) by restricting V8 = VD

Therefore any value of R O (R (00