Venification of Bosic Logic Gates

Aim of the Expeniment. e) Implement AND, OR, NOT, Femichions cisting 3) Tomplement XOR function using NOW gates. AND, OR, NOT, NAND, NOR, Exclusive DR (Ex-OR) Bates NAND and NOR. Univers al

Appropriatus meguined; 4. 2 mm barrana connector 1. Companent Development System (CDS) logic gates IC

, hadowy Table. them then their caput output combination is called Thuth When all the igput wombin ations of a logic gate on whithen hogic gates are electronic circuit wain perform logical

1) Canach to enert the inpute of logic gaster to the logic switches and its 3.) Reply various combinations and observe output for each and observe output for each in

minimum full inputs but autiput it always one, Its are I attenuite the autour is o . This gate can have AND Gate (4408) :-AND trate produces on suspile as I when all its inputs

Observation:

1 - 0 0 P

and bay a evisionum H SHO HANDED H OR Grate produces (Selate (40182) I repute but autout of cusper as of when any or all

- O O O O

gate gate autput is I enter input is a. and output, the occupation of the copies of (7404):-

Abyeraution

- A - 1 - 3

of we cannot row autput of an AND Grate to the input NAND Grato er TAND grata. (7400) or scried of NOT and AMIN Orabe

10

NOR Nor NOT Great the aution of an on gates of the laper of Gate (3902): OR & NOT gate

100 A TO BATE

34 prioduces on owner on to when number Observation

-0-0 B

a come experiment was pury + eated and their power and all the troute