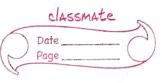
Assignment Ho. - 2

(1) Using mesh current method, determine currents in 50.2, 250 and 1000 resistors. 50-A 250-A \$ 1500 \$ 1000 (+) 100V 0.5A (2) Find the mark currents I, I, 4 Ig. + 50V I, \$50 I2 \$40 F3 (3) Find voltage across and current through 42 resistance in the circuit shown using nodal analysis. **₩** ₹81 (1) 2A (4) Find the current in 32 resistance. -WW 3S--₩V-

₹50

10A \$20

)2A \$45L



(5) Find the current through 45 for the circuit shown using nodal analysis. 35 (6) Determine the load current in AB using Kirchhoff's laws $-\sqrt{MM}$ 500 C _WW-**₩₩** 200 5 200-2 :600s ₹ 600-2 100V (7) Determine the value of V, & V2 using modal analysis. 54 the reduce of I using mask analysis (8) Determine **1**M £ 1252 \$6s-30V (± 12V