EECEIOSL TUTORIAL SHEET-4 SOLUTIONS

1. 10.7 5.6.2 B 5.912 12VT 2A

 $V_s = T_s \cdot R_s = 2x5.6 = 11.2 V$ $\frac{10.0 \times 11.2 \times 5.60}{10.0 \times 11.2 \times 5.60}$ 12V

 $I = \frac{12 + 11.2}{10 + 5.6491} = 0.218 A$

2) 45 th Wind Eqn (4) 0.8 A

 $\int_{4A}^{2} 6.2 - |.2 - 0.8A| = 4.2A$ $V_{S} = 4.2 \times 4^{2} | 16.8 \times 4$

16.8v F 84-2

3) 7A \$ 42 \$62 \$1 TVS 4A T 4N \$ \$60 I 4n = 2.4A U 421162= 2.42 Ns2 4x2,4= 9,6V 9.2 V is Voltage across 421/62 =19.6V is Voltage across 42 and 62 and 7 A Source and 3 A Sturce Then Ys= 9.6V 10 V= I, 4-e 4) \$42 \$32 \$ 122 10V T 12V I= 2.5A 12 V= I.32 I W2.5A DAA \$3.2 \$122 I2= 4A 4/13 = 12/7-2

4113 = 12/7 4113 = 18/4 4113 = 18/4

12/7 \$ 12 (12+12) 92 II.32 =) I= 3A. 91 10 A 20: 12.22 3A \$ \$32 \$60 \$20 Q 32/122= 5 32 8 862 22 3615 \$ 60 Var 7× 615 (6+45)

