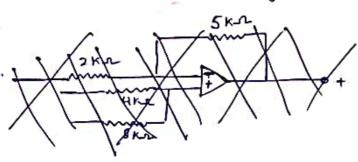
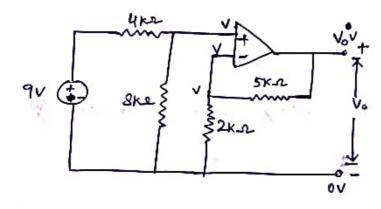
Himanshu Dixit B11 21103262

## Electrical Science - II

Take Away -5

0.1.





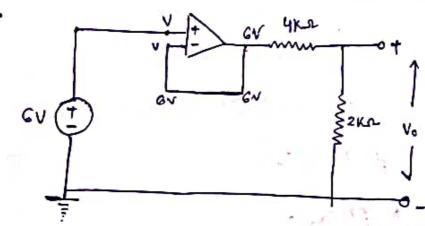
$$\frac{V-9}{4} + \frac{V-0}{8} = 0 - 0$$
  $\rightarrow \frac{V}{4} + \frac{V}{8} = \frac{9}{4}$ 

$$\frac{1}{8} = \frac{4}{3} \rightarrow V = 6$$

$$\frac{7V}{10} - \frac{V_0}{5} = 0$$

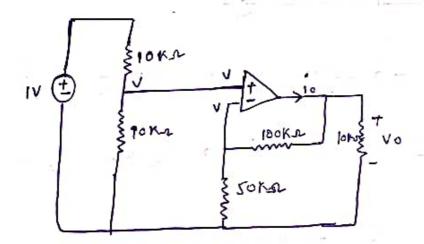
$$\frac{42}{10} - \frac{V_0}{5} = 0 \rightarrow \frac{42}{10} = \frac{V_0}{8} = 21 \text{ V } \%$$

g.2.



$$6 = 6i$$
 $i = 1mA$ 

9.3



$$\frac{\sqrt{-1}}{10} + \frac{\sqrt{-0}}{90} = 0 \qquad - 0 \qquad \longrightarrow \sqrt{=0.9}$$

$$\frac{100}{100} + \frac{50}{100} = 0$$

$$=\frac{1.8}{100}+\frac{2.7}{10}$$