

A transformer has 50 turns in the primary and 100 in the secondary. If the primary is connected to a 220 V DC supply, what will be the voltage across the secondary ?

3. Given ; $N_p = 50$; $N_s = 100$, $E_p = 220V$ (DC) \star

As we have already seen that transformers are only used in AC circuits while applying DC source gives zero output

Hence, $E_s = 0$