

E.E-I for EE-II (SEM)

Q.1 → (a) Generation of alternating Voltage & Equation of sinusoidal wave form?

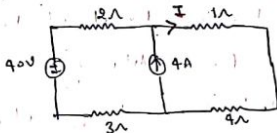
(b) Explain ohm's law in details? & what is heating effect of Electric current.

Q.2 → (a) Explain Superposition theorem in details with Example.

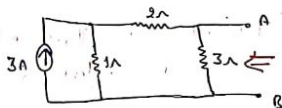
(b) Explain construction of lead acid battery & also defines it's Rating.

Q.3 → (a) ~~Explain~~ Explain Thermal Properties & Chemical Properties of Insulating materials

(b) find out current I in 1Ω resistor by Super position Theorem?



Q.4 → find Thevenin's Equivalent circuit across Terminal A-B.



Q.5 → (a) what is Resistance? also define Effect of Temperature on Resistances.

(b) find out Node Voltage V in the given circuit.

