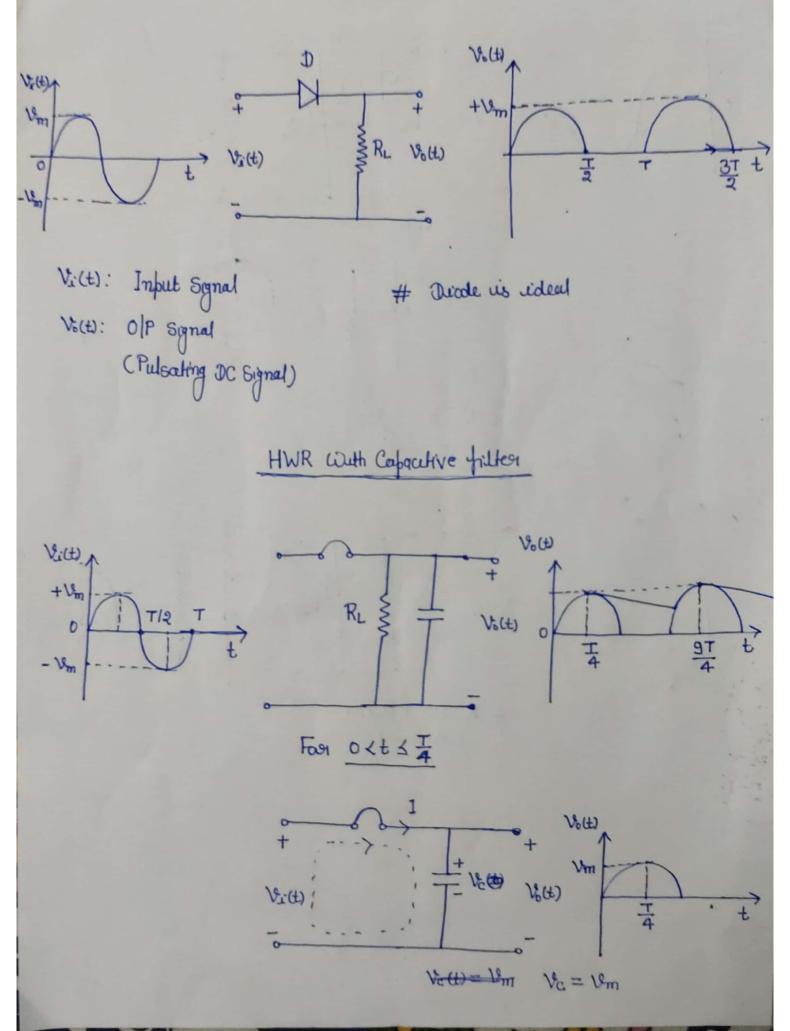
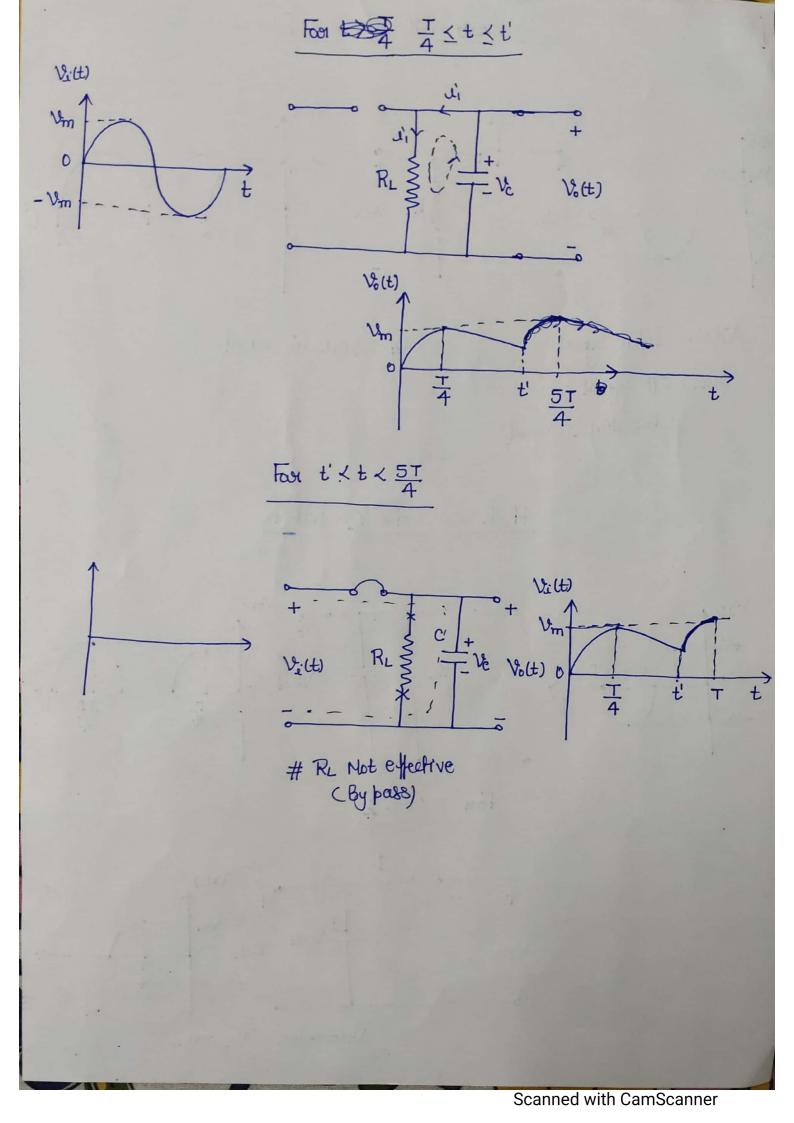
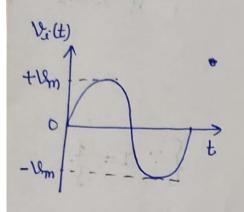
Rectificous with Capacitive Filters

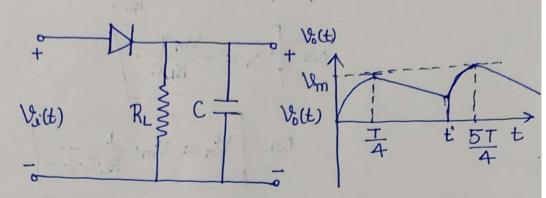


Scanned with CamScanner



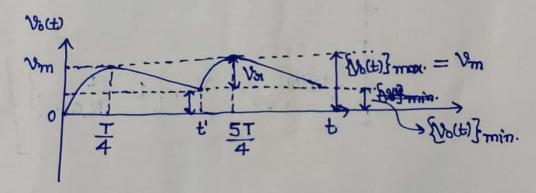
Output of HWR With Copacetive fuller





Voice): Input of AC Signal

Vo Ct): Pulsaling DC Symal



$$\left\{V_{b}(t)\right\}_{DC} = \frac{\left\{V_{b}(t)\right\}_{max} + \left\{V_{b}(t)\right\}_{min}}{2}$$

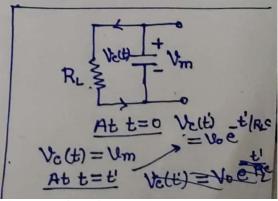
$$= \frac{\sqrt{m + (\sqrt{m - \sqrt{2}})}}{2}$$

$$= \frac{2\sqrt{m - \sqrt{2}}}{2} = \sqrt{m - \frac{\sqrt{2}}{2}}$$

Here, Vin = ourphe Vallage

Vm-Va = Vm e t'/RLC

··· RLC>>T, Huerofoone



Scanned with CamScanner

$$V_{m}-V_{o1} = V_{m} + \left\{1 - \frac{T}{R_{L}C}\right\}$$

$$V_{m}-V_{o1} = V_{m} - \frac{V_{m}T}{R_{L}C}$$

$$V_{o1} = \frac{V_{m}T}{R_{L}C}$$

$$V_{o1} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

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$$V_{o1} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

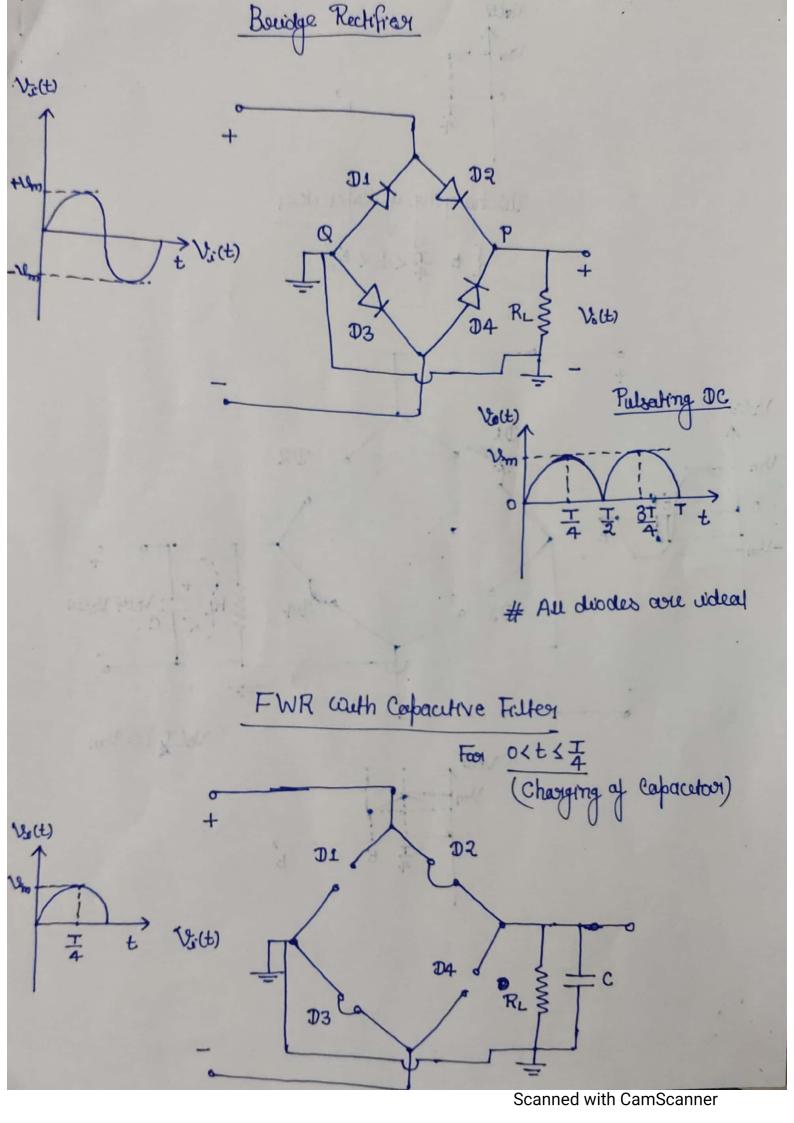
$$V_{o2} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

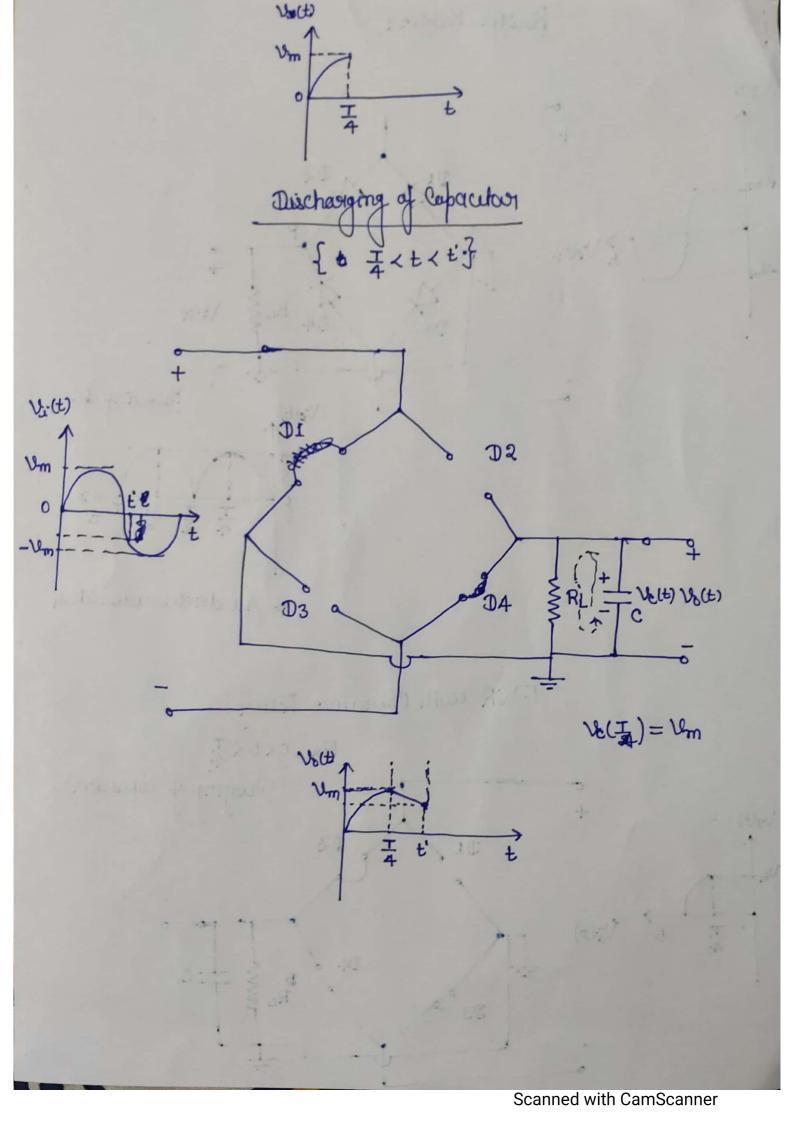
$$V_{o2} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

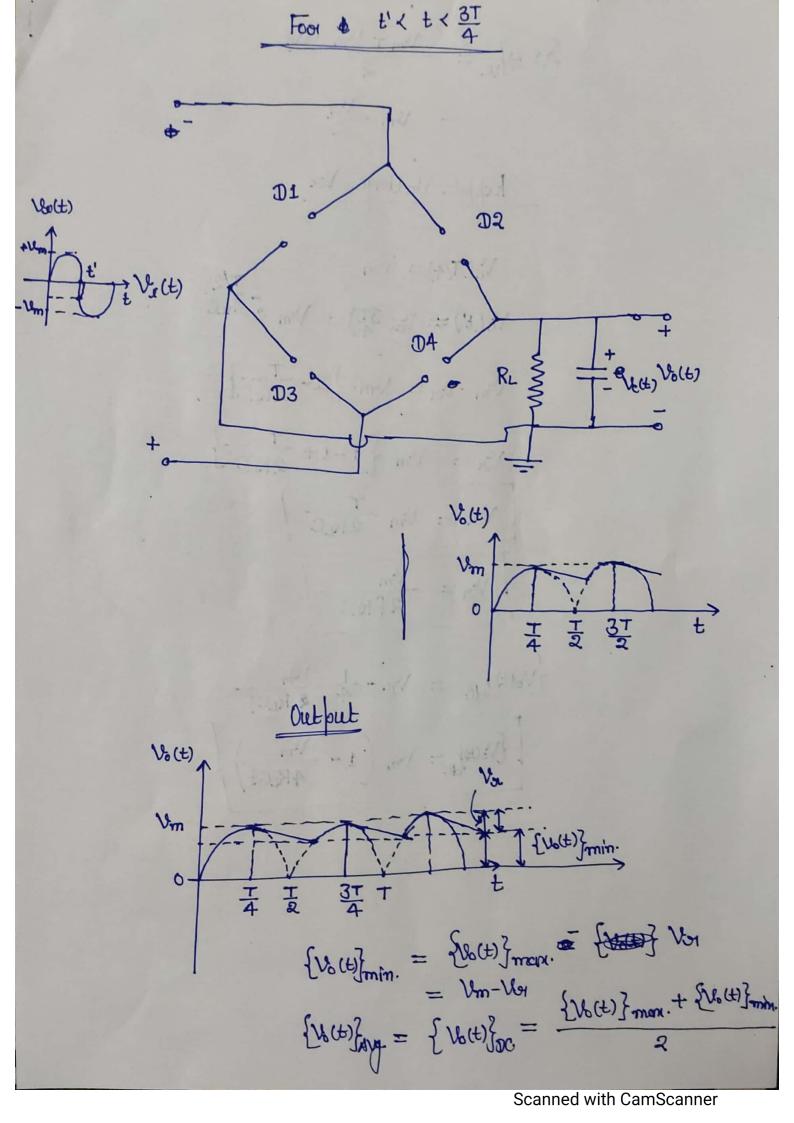
$$V_{o3} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

$$V_{o4} = V_{m} \cdot \frac{1}{R_{L}C \cdot f}$$

miniferent + miniferent







$$\frac{V_{0}(t)}{J_{0}c} = \frac{V_{m} + V_{m} - V_{0}}{2}$$

$$= V_{m} - \frac{V_{0}}{2}$$

$$\frac{V_{c}(T/4)}{V_{c}(T/4)} = V_{m}$$

$$\frac{V_{c}(t')}{V_{c}(T/4)} = V_{m} - \frac{T/2}{R_{L}C}$$

$$\frac{V_{m} - V_{0}}{V_{0}} = V_{m} \cdot \left\{ 1 - \frac{T}{2R_{L}C} \right\}$$

$$\frac{V_{0}}{V_{0}} = V_{m} \cdot \left\{ 1 - 1 + \frac{T}{2R_{L}C} \right\}$$

$$\frac{V_{0}}{V_{0}} = \frac{V_{m}}{2f_{R_{L}C}}$$

$$\frac{V_{0}}{V_{0}} = \frac{V_{m}}{2f_{R_{L}C}}$$

$$\frac{V_{0}}{V_{0}} = \frac{V_{m}}{2f_{R_{L}C}}$$

$$\frac{V_{0}}{V_{0}} = V_{m} \cdot \left\{ 1 - \frac{V_{m}}{4R_{L}Cf} \right\}$$

$$\frac{V_{0}(t)}{V_{0}} = V_{m} \cdot \left\{ 1 - \frac{V_{m}}{4R_{L}Cf} \right\}$$