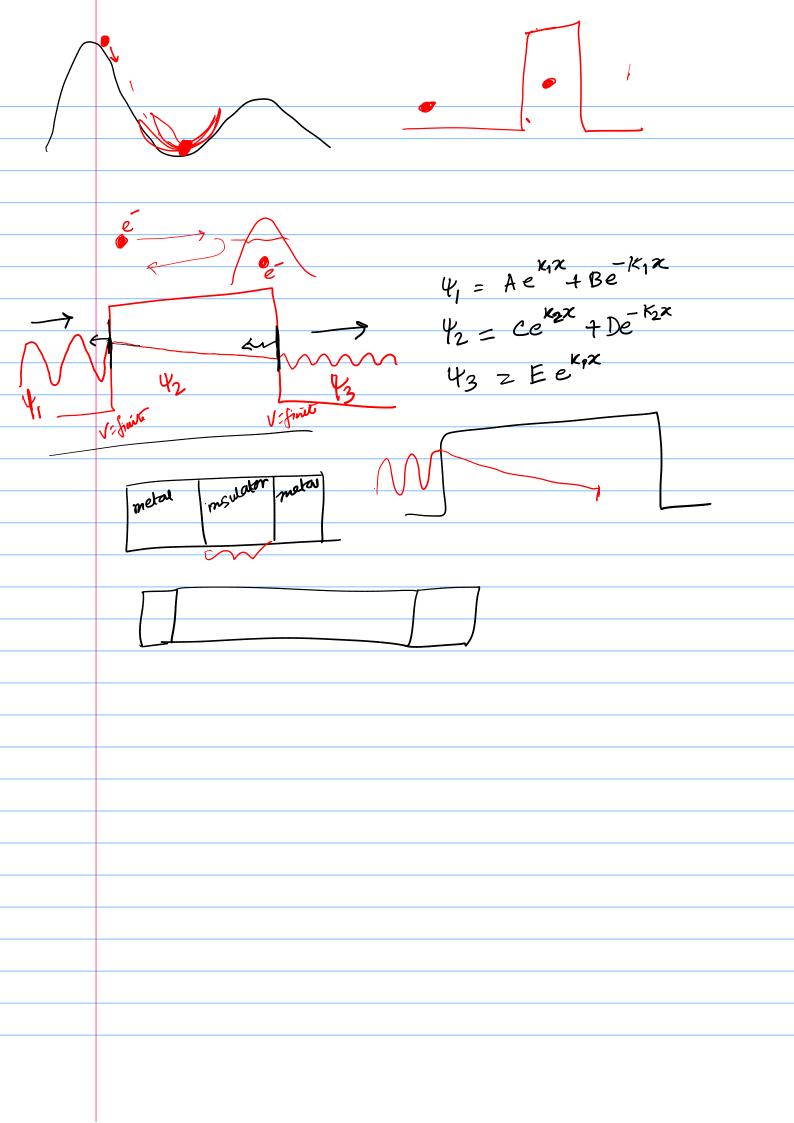
Time dependent / independent it of $-\psi = -\frac{t^2}{2m} \frac{\partial^2 \psi}{\partial n^2} + V\psi$ =1 Y2 Asmka $\int_{A^{2}}^{2} A^{2} \sin^{2} kx = 1 \Rightarrow \int_{A}^{2} \int_{A}^{2}$ _ ~ WZASMKR 4:0

nodes / # nodes = X Prob. Zero prob. Zero nt grounds - t grounds n=d J'Ante Sunt um ng



$$E_{n+1} - E_{h} = (2n+1) C$$

$$C = \frac{n^{2}h^{2}}{2mL^{2}}$$

$$n=1 \quad E_{2} - E_{1} = 3C$$

$$n=2 \quad E_{3} - E_{2} = 5C$$

$$n=3 \quad E_{4} - E_{3} = 7C$$

$$Y_{n} = \sqrt{\frac{2}{L}} \quad \text{sin} \frac{KZ}{L}$$

$$Y_{n} = \frac{2}{L} \quad \text{sin}^{2} \frac{KZ}{L}$$

$$V_{n} = \frac{2}{L} \quad \text{sin}^{$$