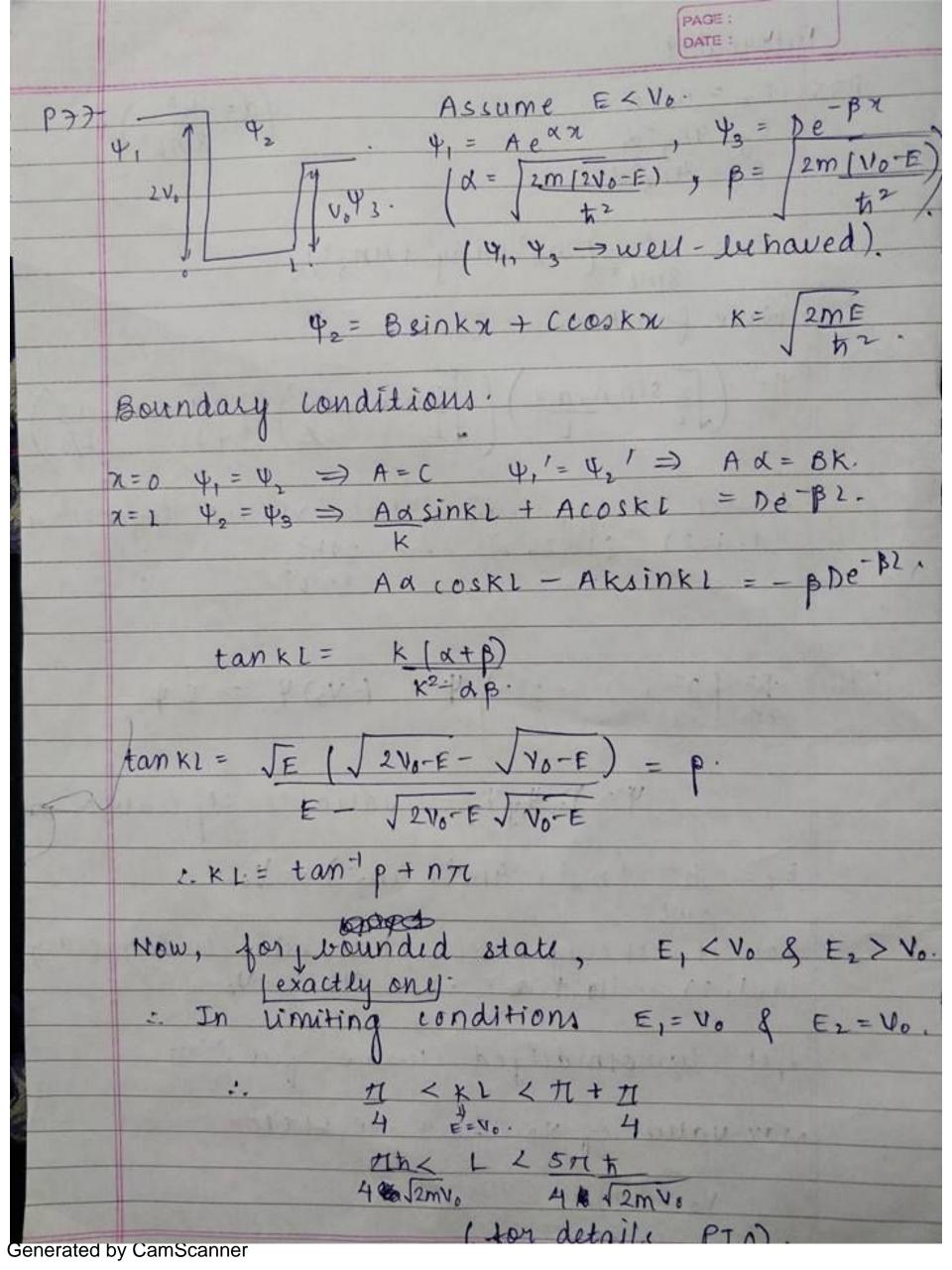
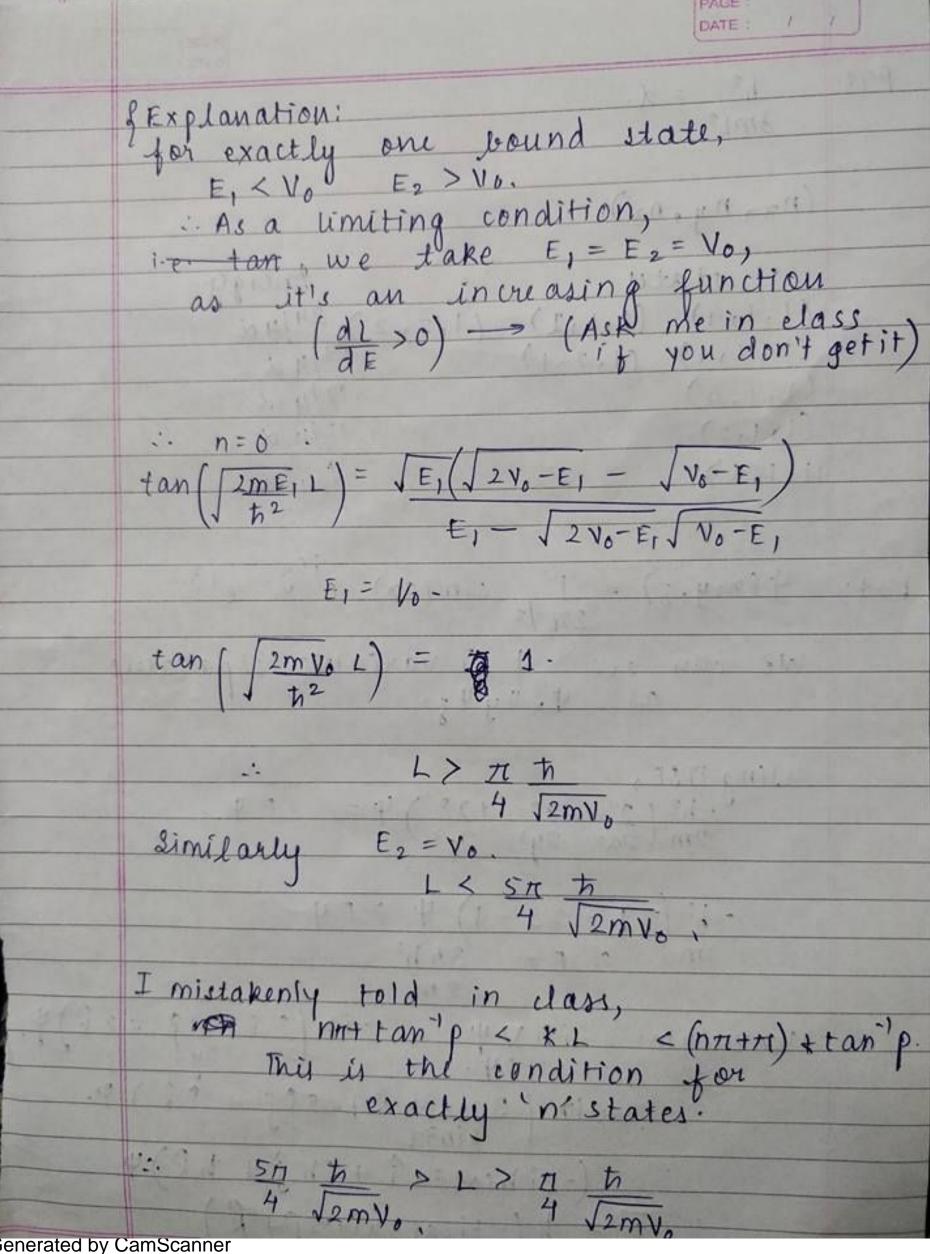
Tutorial 9 P75 $E_{\chi} = n_{\chi}^{2} d$ $E_{y} = 4n_{y}^{2} d$ $E_{3} = 4n_{3}^{2} d$ $\left(\alpha = \frac{h^2}{8ml^2}\right)$ ET = h2 (n2+4ny2+4ng2). Wave function $\Psi = \left(\int_{L}^{z} \frac{\sin n_{\pi} \pi x}{L} \right) \left(\int_{L}^{4} \frac{\sin n_{\pi} \pi y}{L^{2}} \right) \left(\int_{L}^{4} \frac{\sin n_{\pi} \pi x}{L^{2}} \right)$ (1,1,2) (1,2,1) -> 21h2 - 8m22 4= 4x4y43 -> variable separable ET = h2 (nx2+ 4ny2+ 4n32) - Vo. Lowest energy well that exhibits degeneracy (1,1,2) = (18,2,190) => 21 h2 - Vo 8ml2

Let unnormalized wave function max value of vo for -ve state. Generated by CamScanner





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	DATE: / /
P78.	$h^2 = \alpha$
	8ml²
	AVE OF WALL
	(n_x, n_y, n_3) .
	statu Energy.
	(1,1,4) $(2,1,2)$ $(.1,2,2)$ $(24/4)$
1 17 17	(2,1,1) $(1,2,1)$ $(1,2,1)$ $(1,2,1)$
(11 1 2	(1,1,3) $(1,2,1)$ $(1,2,1)$
-	12/4 0
	$(1,1,2)$ $9/H \propto$
	(1,1,1)
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$$\frac{1}{2\pi^{3/2}} \left(\frac{c^{\frac{1}{3}}}{2\pi^{3/2}} e^{\frac{1}{3}} \right) = \frac{1}{2\pi^{3/2}} \left(\frac{c^{\frac{1}{3}}}{2\pi^{3/2}} e^{\frac{1}{3}} \right) = \frac{1}{2\pi^{3/2}} \left(\frac{c^{\frac{1}{3}}}{2\pi^{3/2}} e^{\frac{1}{3}} \right) = \frac{1}{2\pi^{3/2}} \left(\frac{c^{\frac{1}{3}}}{2\pi^{3/2}} e^{\frac{1}{3}} \right) + \left(-c^{\frac{1}{3}} \left(-c^{\frac{1}$$

For Y (r,t) multiply by collapses to a state (here

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