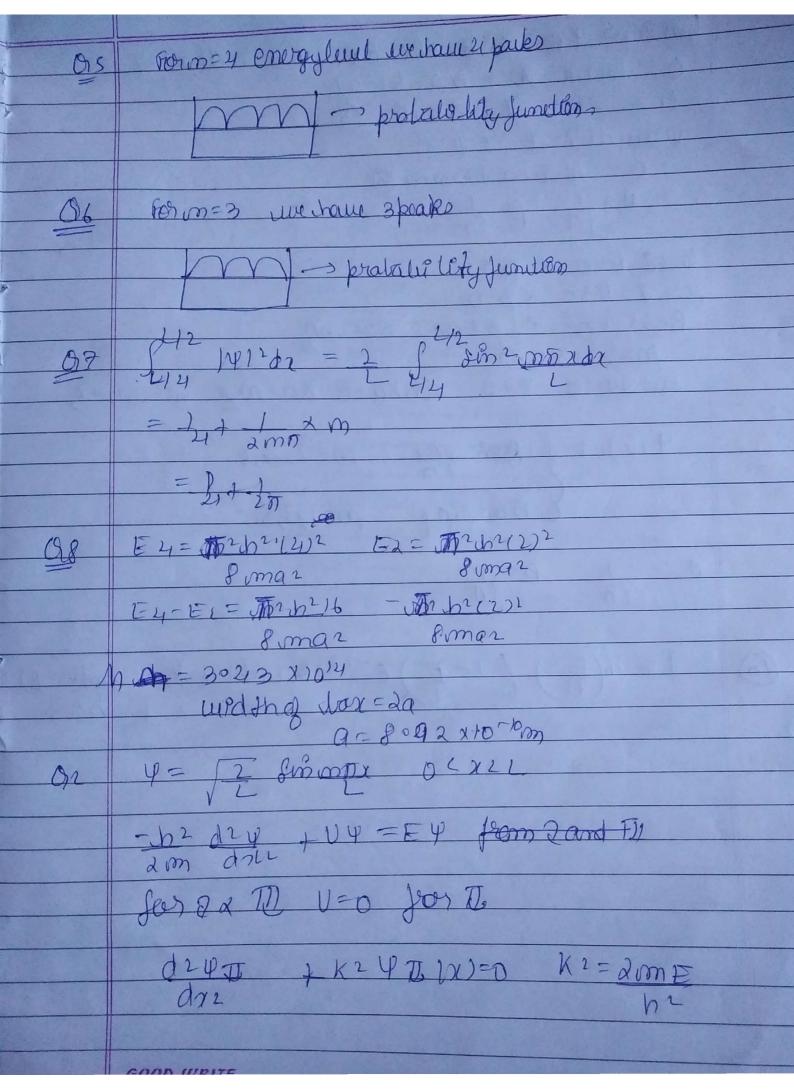
	Assignment 3
Ohaz	P122= 140x12
	$\frac{ \Psi(x) ^2 = 24x^3 \pi^2 e^{-24x}}{d \Psi(x) ^2 = 24x^3 (72e^{-24x}(-2x) + e^{-24x}(x) = 0}$
	$\chi = 1$ $\chi = 1$
	$\frac{\chi = 1}{2}$ $\frac{\chi = 1}{2}$ $\frac{\chi = 1}{2}$
	= 2123 J 13e-22xy
	= 21 x 3 [ / 23 e-2 x 2 , 3 ( x 2 e-2 x 2 ) + 3 ( x e^2 x 2 )  -2 x 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	1 e-222 de 2 de 2 de 2 de 2 de 2 de 2 de
	= 4x3 L0+0+0+3 x1) 8x4
	$= \frac{4}{4} \frac{3}{3} \frac{3}{3} = \frac{3}{2}$
	$(22) = \int_{0}^{\infty} 12  \Psi(x) ^{2} dx = 423 \int_{0}^{\infty} 12 e^{-22} dx$
A.	
	2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	= '4x3 [0+0+ 3e0] 4x5]
	$= \frac{4 \times 3 \times 3}{4 \times 5} = 3$
	GOOD WRITE

Parda = 21/23720-227 2123 / 22e-20x) 12 + (2xe-22x) = 423 / V22 e-2 -1 /xe-222 /d + (1 e-2dx)  $= \frac{4}{43} \int \frac{e^{-2}}{-243} - \frac{1}{4} \int \frac{-1}{242} + \frac{1}{442} \frac{e^{-2}}{-243}$ 93 (4m) 2dx=) => A2 (8m2) xe-29wdy=) A2 ×2=1 => A= 1 × (2=±1) (x)= 2/2 2px>= g v+ (~Ph 2) 4xdx = 3 Junger (- 9th (mor) compx da } (-ih) (mn) } | 28mmn2 lennerda Signamor = C



Jon Salum Yn = Powskx + Blookx Yn = adtr=-q 6 = Allok (- N) + Bank (-a) 0 = - Asinka + B waka - (3) mandtra 471=0 0 = Alishka + Brooka (1) 6212 A=0 & B 70 (ODE 7) A +0 & B=0 Blookaso 1º f p to Kasmo m= 1,3,5,79 Riska=0 100 linka=0 Ka=m, 1 m=0,446, Blesonne m=133,5,---= 16(E) / 1-E) e-2k21 wehose k1 = 200/0-E)