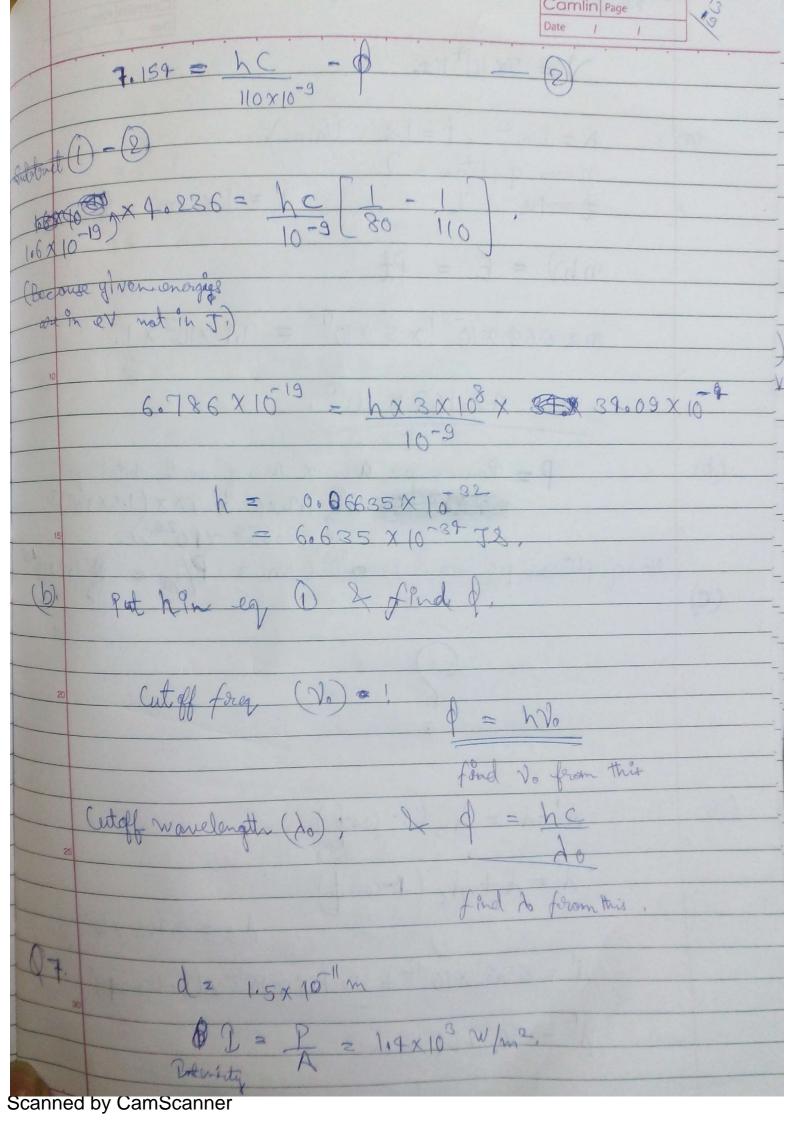
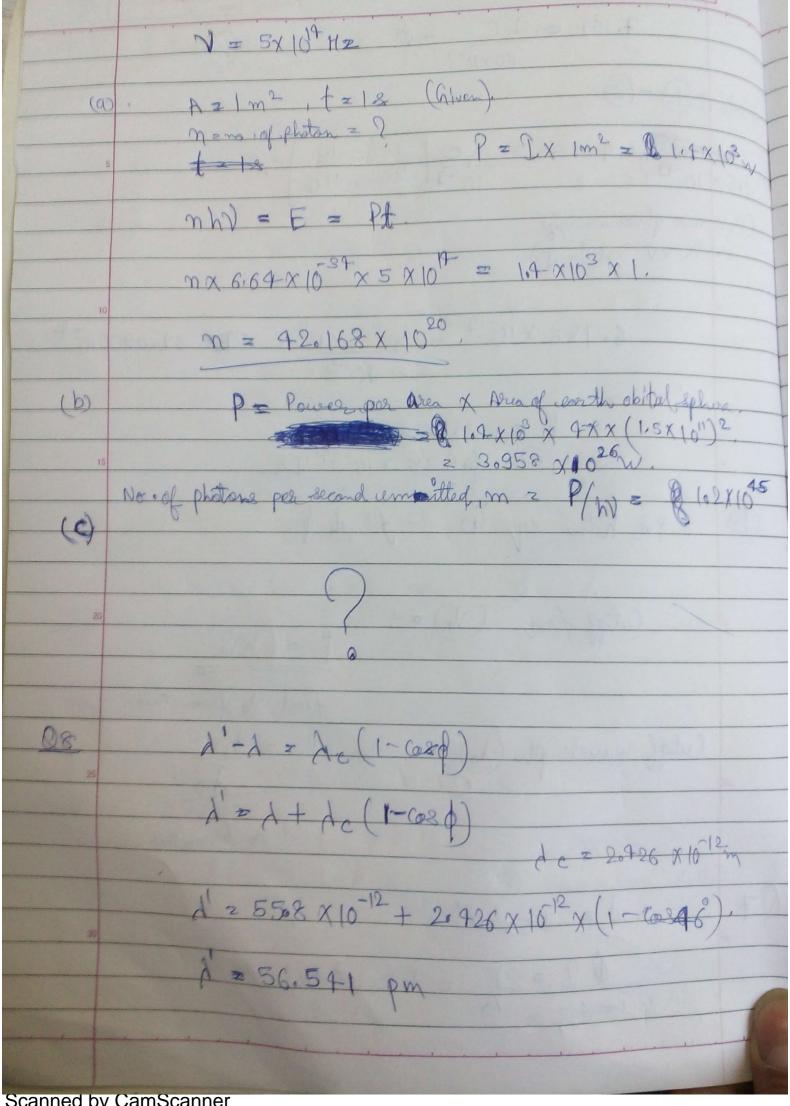
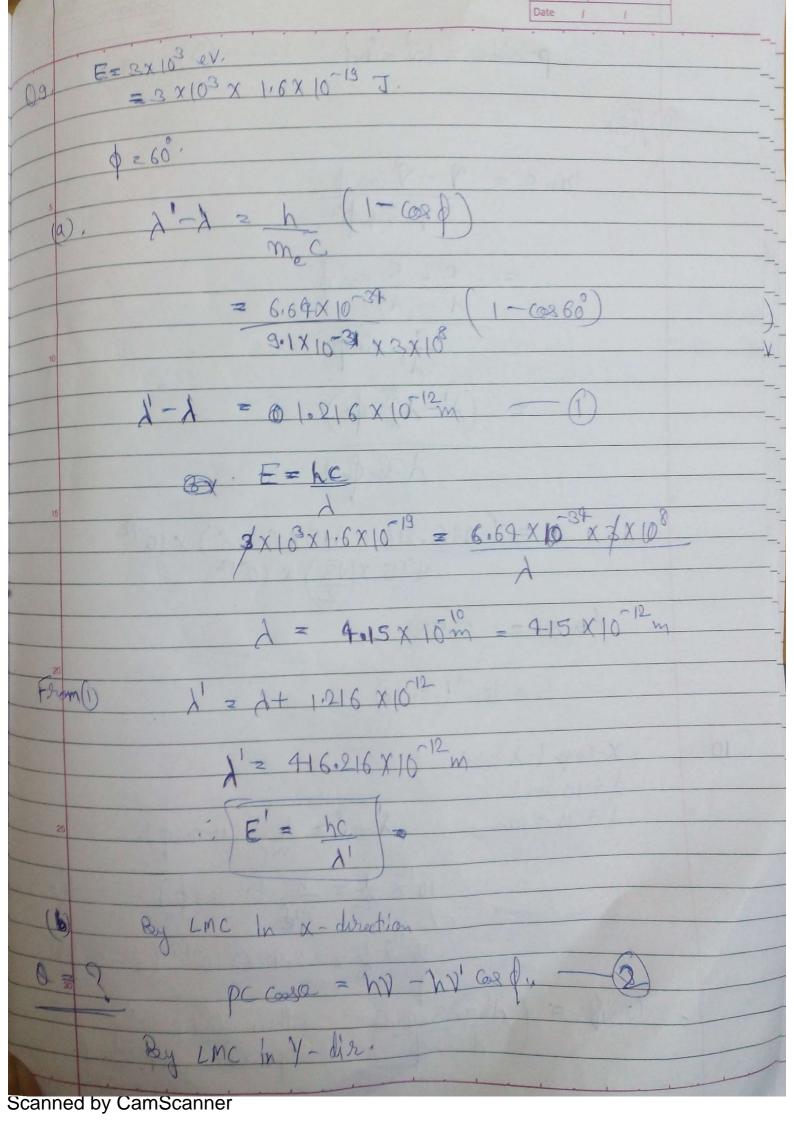


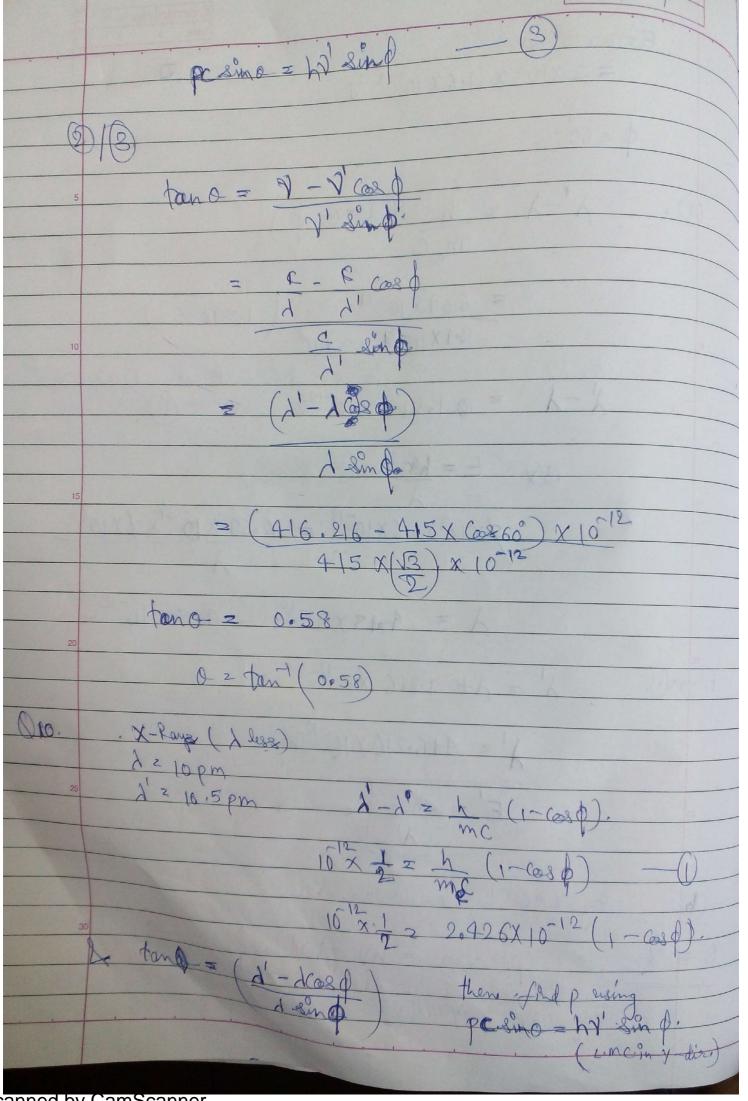
Scanned by CamScanner



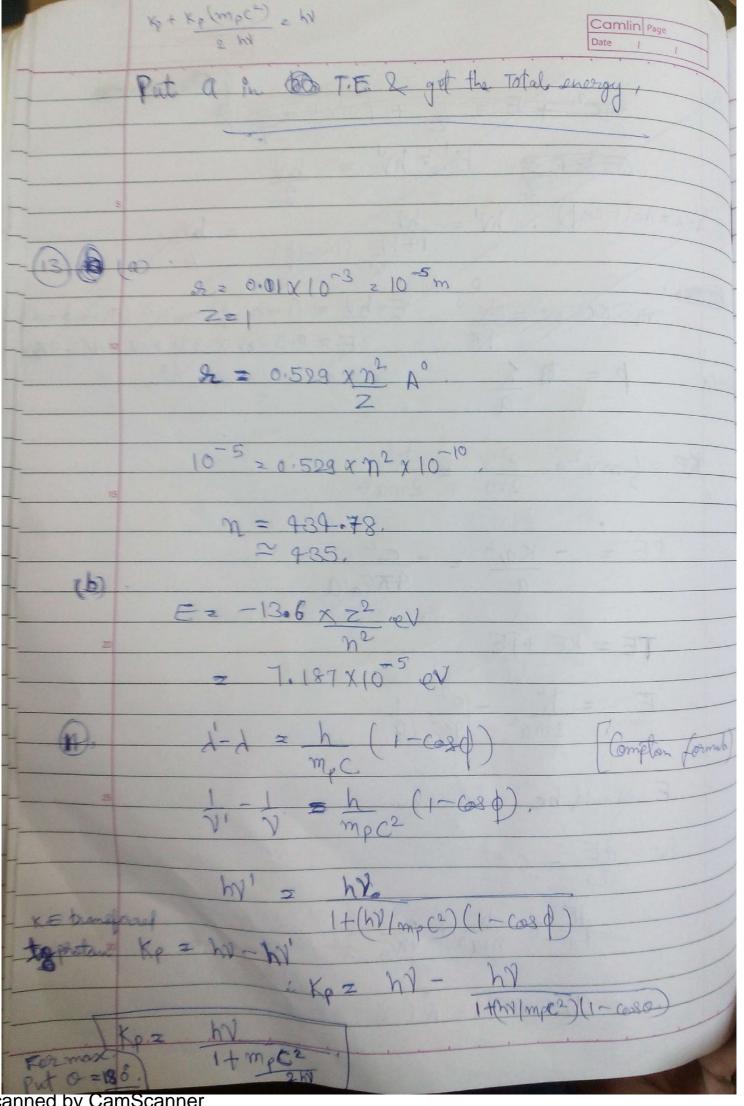


Scanned by CamScanner

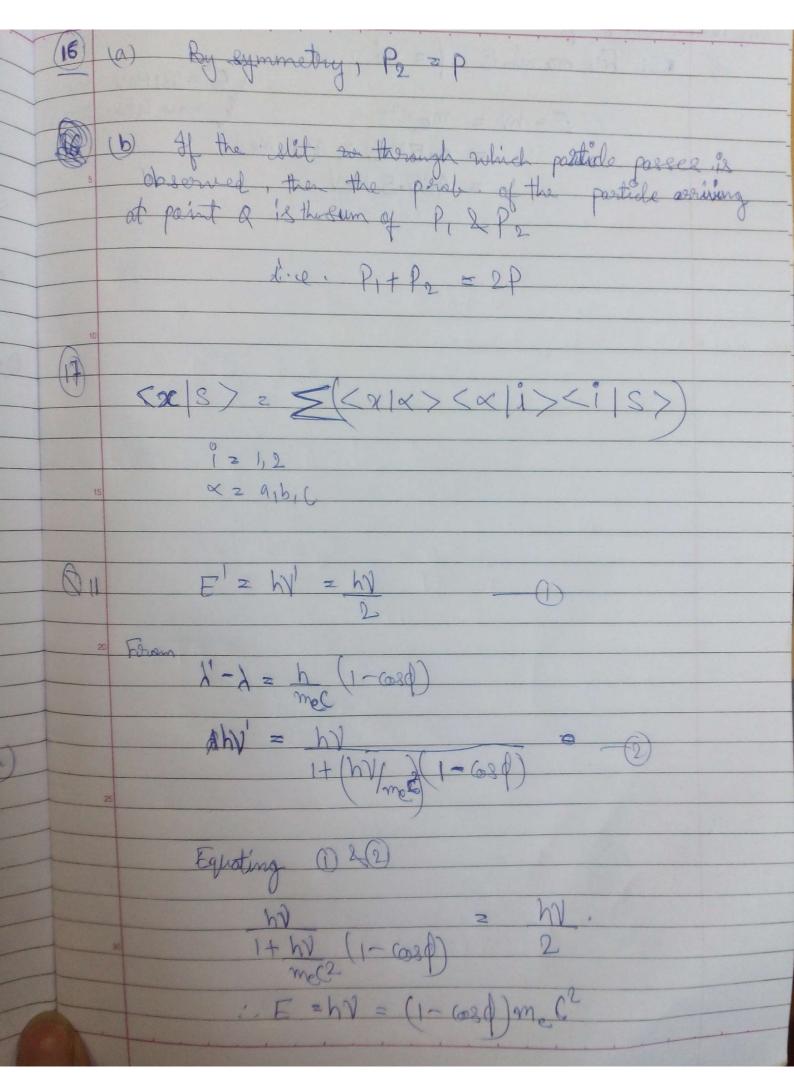




Q12(a) P = 10 } a = order of the position KE = 1 mv2 = p2 = 1 = 2mq2 PE = - Kq2 = - e2 47780'a TE = KE + PE (TE), E = 12 - (e²) 1. E should be minimum. Put dE = 0 - de mastangae Qu= 0.528 A (Ground state).



Scanned by CamScanner



Scanned by CamScanner

