D.B. College (Joy nagar) Lect-20
Akhilesh kumar singh
Guest Leacture Chemistry de partment
Mobile no. 1—8750390927 Part-I
Atomic Structure

Sues when a readiation of wavelength 331 Å strike the metal swiface. Electron's are emitted with K.E. at 1.68 × 105 J mol 1. Then find the work function of metal & also find the maxim wavelength required to remove and K. E = 331 A per mol = 1.68 × 105

K.6. \$ per = 1.68e = 105 = 5 mol

=1-68' X105 6-022 X1023

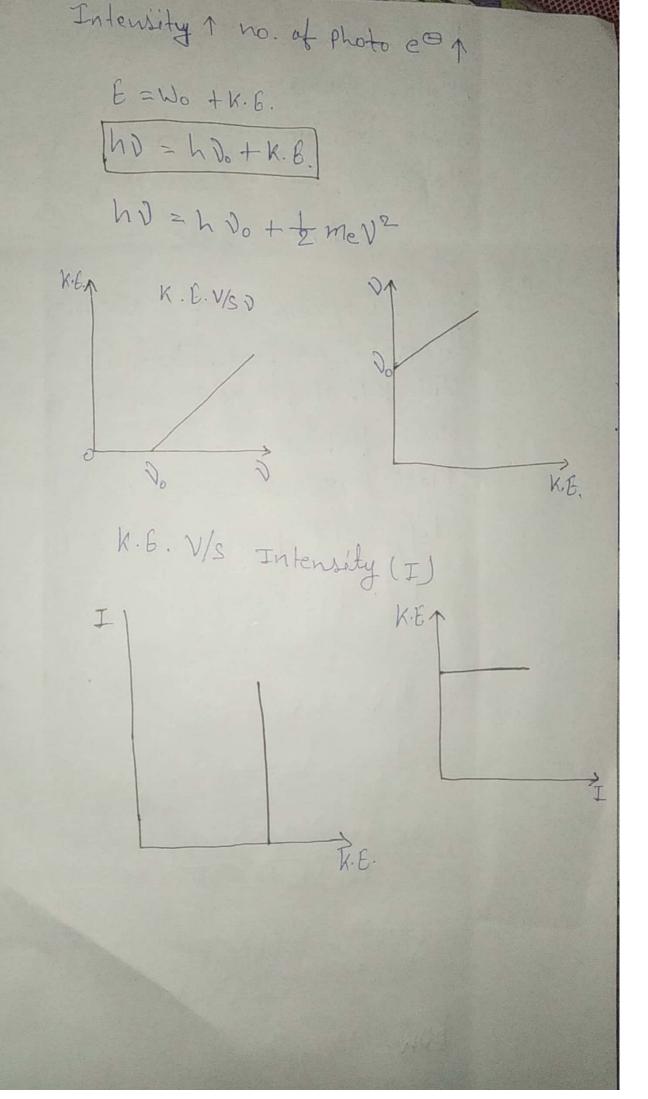
ho = hoo + K.E.

hc > Wo + K.E.

 $\frac{662 \times 10^{-34} \times 3 \times 10^{8}}{531 \times 10^{-10}} = W_0 + 1.68 \times 10^{5}$ $\frac{6.022 \times 10^{23}}{6.022 \times 10^{23}}$

 $6 \times 10^{-18} - 0.24 \times 10^{-18} = \omega_0$ $5.76 \times 10^{-18} = \omega_0$

Balar Atomic Model !-



osues which of the following angular momentum shows poresence of co in an orbit. 日子中 © 1.25 点 ① 3.5 点 ② 2.5 点 @ 0.5 h Ques of angular momentum for H(n=1) is x then find angellar momentum for Li+2 (n=1) 0 x 0 2/3 3 3x 0 3x/2 JH = Mh =X 上二二