| | 2003 | | | | | |
|------------|--|----------------------|--|--|--|--|
| | | | 5 9601 | | | |
| | SAP ID - 60004200132 | | | | | |
| | None - Ayush Jain | | DATE: | | | |
| 03/05/2021 | | | | | | |
| | Tutorial 7 | | | | | |
| | (d.asie | (LE) ALM | tu 13 . | | | |
| | | p (UE) Ach | dank = 53 | | | |
| | | | | | | |
| 1) | 8 W 1 2 Eu = Us P 2 | | | | | |
| | , m | | U E | | | |
| | | | 0 1 | | | |
| | The energy difference between n=4 and n=5 is then, | | | | | |
| | 32 | | 3) C1 - 18 ev | | | |
| | DE = Es. Eu = 52 h2 | ns 13 86 1 2 20 | The state of the s | | | |
| 1 | 8m12 | - 8ml2 | | | | |
| | AC 912 | | | | | |
| | DE = 9h2 8ml2 | | 1 4 3 | | | |
| | | | | | | |
| | = 9 × (8.626×10-34 |)2 2 1 1 1 2 1 3 | 3 13 | | | |
| diam'r. | 8 (6.3×10 ⁻²⁶) (3 | X10 ⁻²)2 | 13 | | | |
| | | | | | | |
| | A6 = 8.70 × 10-39 I | 12 = 21 = E1 | 111 | | | |
| | | 1,0 | | | | |
| 2> | E = V2 P 5 | \$(01) × 81 : | | | | |
| | 8ml2 | 38.1 | | | | |
| | E | | S.A. | | | |
| | For El | 20081 2 | G1) | | | |
| | n=1, lo=L | | | | | |
| | pas 64-11 = 11. | | | | | |
| | : E1: h2 | | | | | |
| | 8m L2 | 1 2 2 4-610 | 0) 202222 | | | |
| | | di- cuna | | | | |
| | For Ez, | en con a | | | | |
| | n= 2, 1'= 3L | | Caro 8.833 | | | |
| | | | | | | |
| 5 v 11.001 | principality alleges | mark a sentence | The market of | | | |
| | : 62 : 4h2 | | Marine v | | | |
| | 8m(3r) ₅ | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| - | E. harakil | |
|----|---|---|
| - | :. E1 Kt 10 K (3 K) 2 9 Ez = 844 x 446 = 4 | - |
| 1 | Ez = 8 m/2 x uns | _ |
| | 545 103 (A) | |
| | : E1 = 9 E2 4 | |
| | 62 4 | |
| | and a second second to the second of | |
| 3> | C1 = 1.8 ev | |
| | C1' = 1.8 - 0.42 = 1.38 eV | |
| | - 1000 - clus | |
| | EXI | 7 |
| | L2 5 jail | |
| | $\frac{\mathcal{L}}{\mathcal{L}} = \left(\frac{L'}{L}\right)^2 + \left(L$ | |
| | $\frac{\mathcal{E}_{1}}{\mathcal{E}_{1}} = \left(\frac{L'}{L}\right)^{2} \qquad \left(\frac{\mathcal{E}_{0}}{\mathcal{E}_{0}}\right) \times \mathcal{E}_{0}$ | |
| | | |
| | : (L')2 = EI x L2 ZIE OIX OF 8 : 14 | |
| | €, | |
| | = 1.8 x (10)2 | |
| | 1.38 | |
| | (1)2 = 130.43 | |
| | 101,100 | - |
| | : L' = 11.42 cm | |
| | | |
| | : Change in width = L'-L | |
| | = 11.42 -10 | |
| | = 1.42 cm | |
| | c(kx-wt) | |
| 4> | sinck x with represents a free particle moving along position | , |
| | x-axis. | |
| | E(1819) | |
| | | |
| | | |

| 5> | The matter wave are represented by a complex wave for. |
|----|---|
| 6) | Physically significant is not a characteristic of work function. |
| 7> | Square of magnitude of wove function is called probability density. |
| - | |
| | |
| | |
| -> | |
| | |
| | |
| | |
| | |
| | |