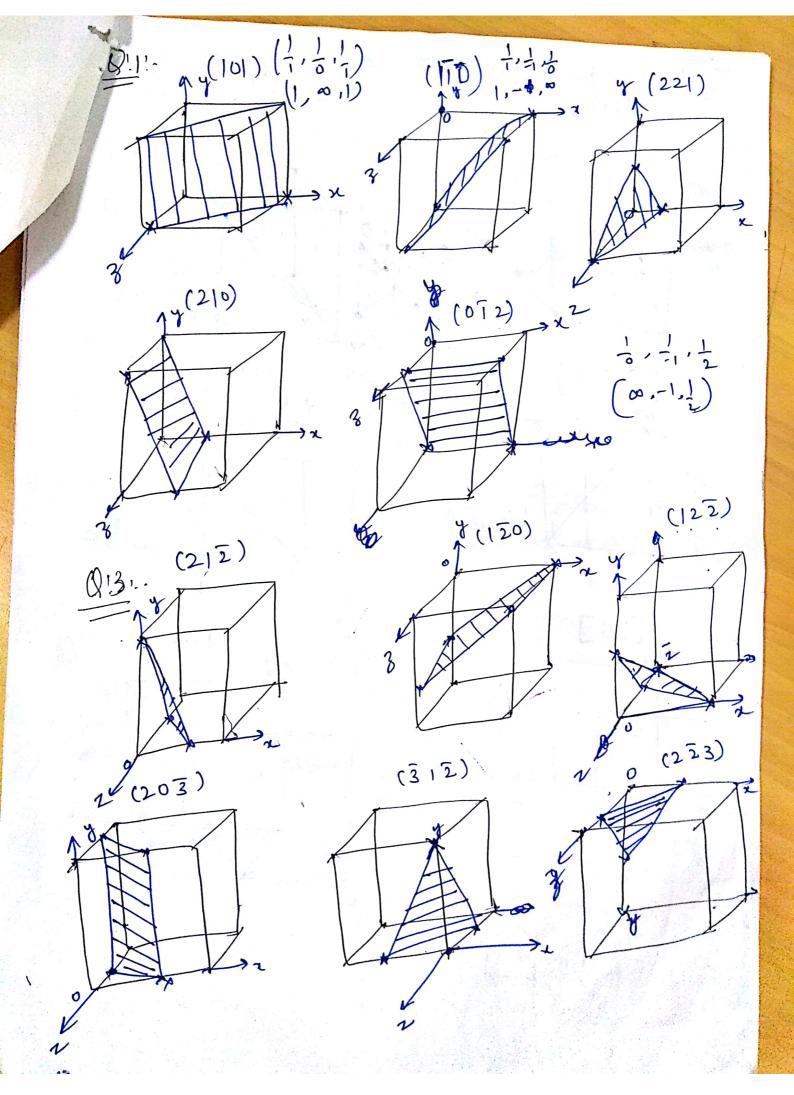
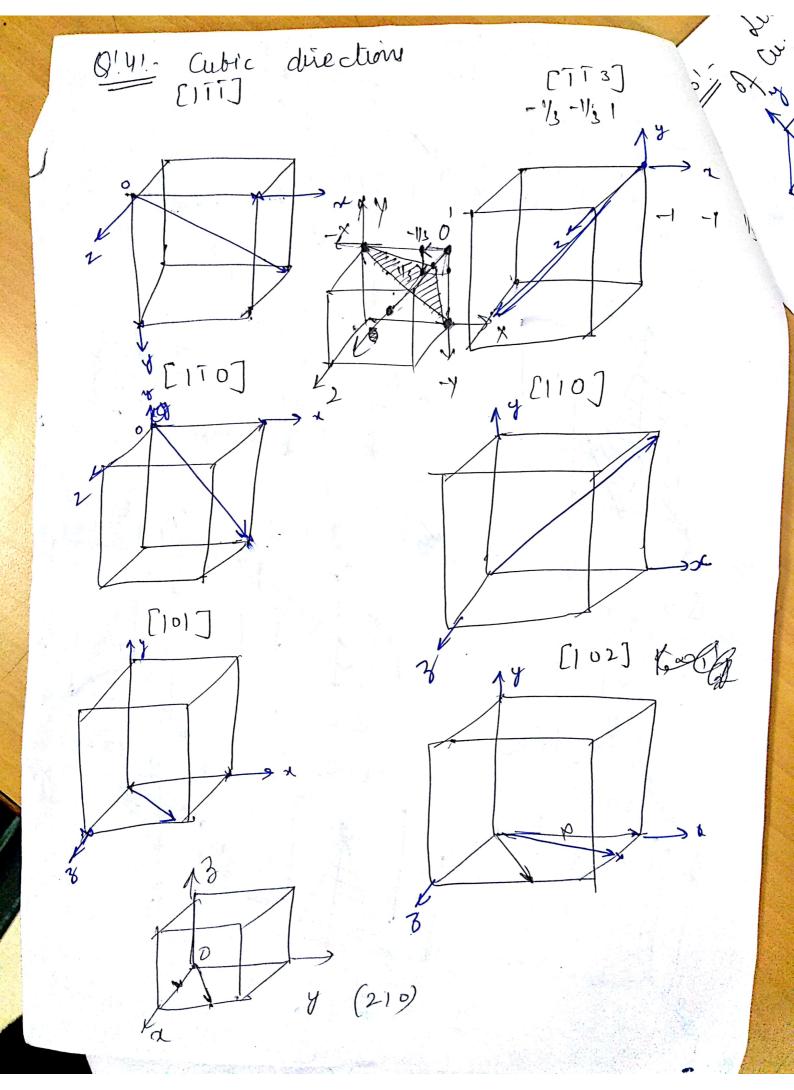


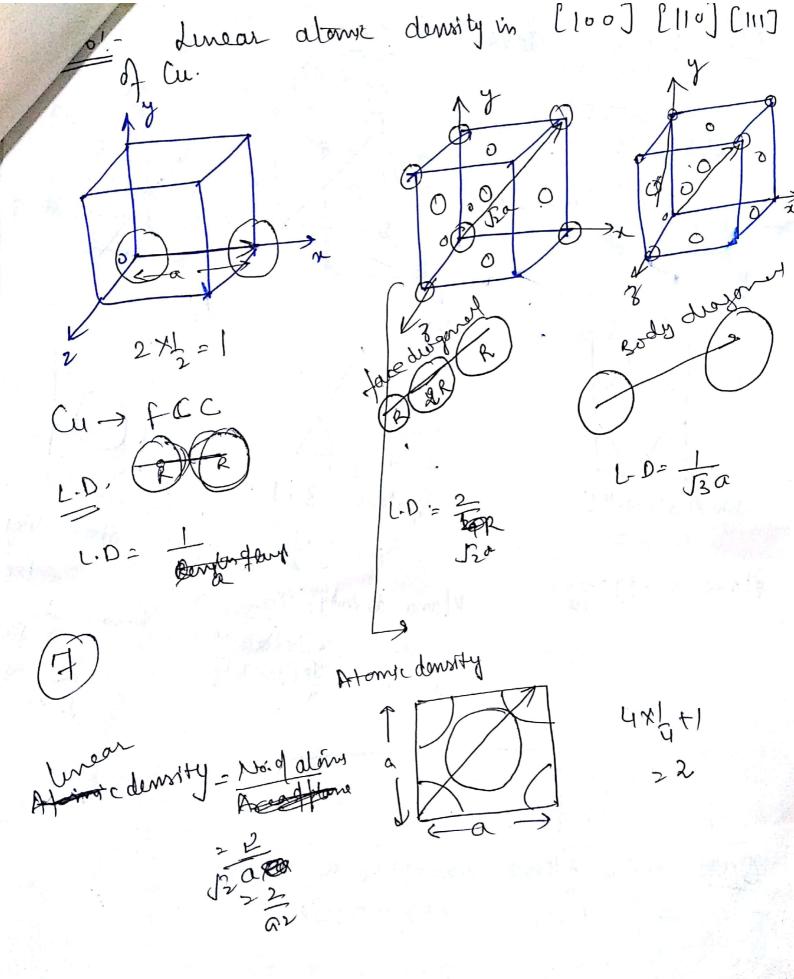
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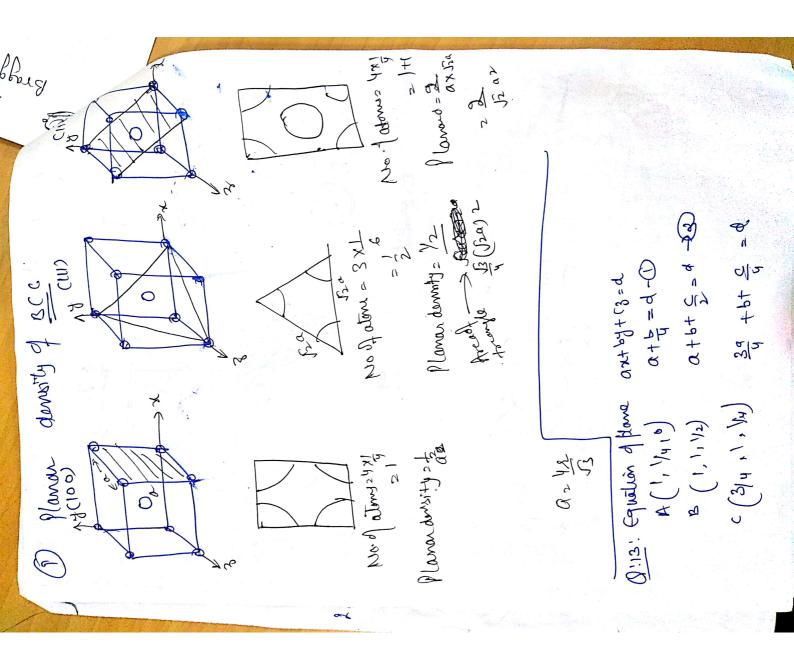
- 16. Compare packing fraction for SC and FCC lattice.
- 17. In powder diffraction pattern for lead with radiation of $\lambda = 1.54$ Å the (220) Bragg reflection angle is $\theta = 32^\circ$. What is the radius of atom?



Scanned by CamScanner



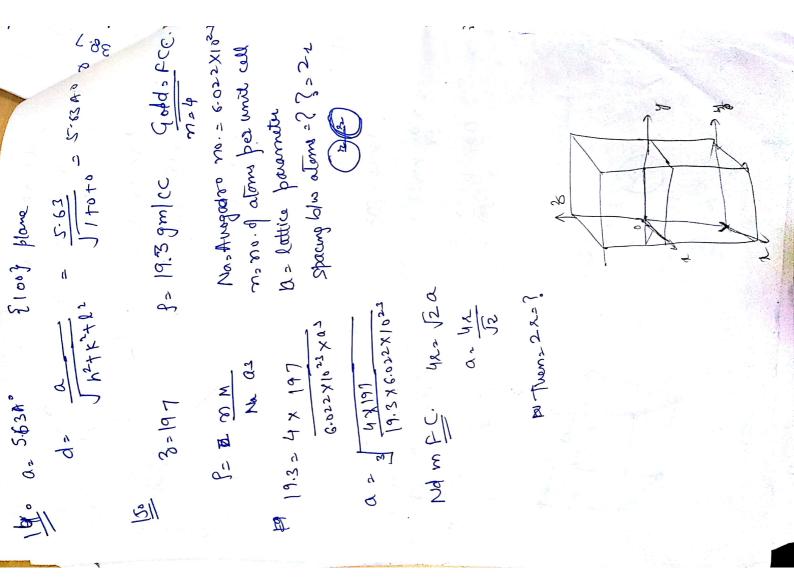




22.22 K de a (220)

de a 1/2 tart 1/2

2 a 1/4 tuto 1 1 1 Bragg angle: 0,20.2° 24 3.15 mo 20.2° 2 2 X a 8m32° = 1-54 R° yes Be 121. 53 RO 2/2 02 1.54× JB 2d smo o ms P6:3 آء دستالهمم



78.8 78.8 39.4 83 41.5 99.6 49.8 112.5 5625 117.0 58.5 135 A 65-7 138.1 69.05 164,2 82,1 fattia farametro a 2 damo رنعم 32.85 19.35 0.9811 88004.0 0.1489 0. 5838 0.69134 0.72699 0.8721 0.439 0 24.598 R. 0109 ging. 159 JHT BCC = 3: 4:8:11:13 7 12-4 15-61 1 12 th 702

