



(AN AUTONOMOUS INSTITUTION)
SNS Kalvi Nagar,Saravanampatti Post
Coimbatore - 641 035



Approved by AICTE, New Delhi .Affiliated to Anna University, Chennai Accredited by NBA & accredited by NAAC with 'A+' Grade, Recognized by UGC

J. Calculate the d of three important planes (100), (110), 111 of sec.

$$d_{100} = \frac{\alpha}{\sqrt{1240+0}} \Rightarrow \alpha$$

$$d_{110} = \frac{\alpha}{\sqrt{147+12}} \Rightarrow \frac{32}{\sqrt{3}}$$

$$d_{111} = \frac{\alpha}{\sqrt{147+12}} \Rightarrow \frac{32}{\sqrt{3}}$$
B. The distance blue (10) plane in a BCC Structure is 2.03 h. what is the size of unit cell,

$$d_{110} = \frac{\alpha}{\sqrt{1247+02}} \Rightarrow \frac{\alpha}{\sqrt{2}}$$

$$d_{110} = \frac{\alpha}{\sqrt{1247+02}} \Rightarrow \frac{\alpha}{\sqrt{2}}$$

$$\frac{\alpha}{\sqrt{100}} \Rightarrow \frac{\alpha}{\sqrt{1400}} \Rightarrow$$