Lesson Plan July 2018

- Name: Sapana kumari

Class: B.sc(n.m)5th sem

Paper code: PH 501

Subject Name: Solid state physics

16 July to 21 July	Introduction to crystal structure-1,crystalline and glassy forms of solid ,liquid crystals
23 July to 28 July	Crystal structure and periodicity,lattice and basis ,crystal translational vectors
30 July to 4 Aug	Unit cell and primitive cell,winger seitz primitive cell,symmetry operation groups.
6 Aug to 11 Aug	Point groups for two dimensional crystal & bravais lattice in two dimensions (2-D)
13 Aug to 18 Aug	Bravais lattice in three dimensions (3-D) & related numerical problems .
20 Aug to 25 Aug	Group discussion and revision of above topics .
27 Aug to 1 Sep	Test-1st and assignement .Problems regarding test .
3 Sep to 8 Sep	Introduction to crystal structure-ll,miller indices & based numericals ,interplanner spacing .
10 Sep to 15 Sep	Cubic crystal system , crystal structure of zinc sulphide
17 Sep to 22 Sep	Crystal structure of sodium chloride and diamond and related problems
24 Sep to 29 Sep	x-ray diffraction, Bragg's law and experimental x-ray diffraction methods.
1 Oct to 6 Oct	K-space and group discussion of above topics
8 Oct to 13 Oct	Presentation by students on individual topics. Test-2nd and revision
15 Oct to 20 Oct	Introduction to specific heat of solids,problems regarding test-2nd
22 Oct to 27 Oct	Einstein's theory of specific heat,Debye model of specific heat of solids.
29 Oct to 3 Nov	Queries regarding above topics and discussion
5 Nov	Test-3rd
	6 Nov - 13 Nov (Vacation)
	14 Nov. onwards (Examinations i)