

Lesson Plan

Academic Session: 2019-2020

Name of the Assistant Professor: **Dr. Sushma Devi**

Class: **B. Sc. VIth Semester(NM)**

Subject: **Physics**

Paper: **Solid State and Nano Physics**

Week		Topics
1	<b>Chapter-I [Crystalline Structure-I]</b>	Guru Gobind singh jayanti
		Introduction, Crystalline and glassy forms, Liquid crystals
		Crystal structure, periodicity, lattice and basis, crystal translation vectors and axes
		<b>Sunday</b>
2	<b>Chapter-I [Crystalline Structure-I]</b>	Unit cell and Primitive cell, Wigner Seitz primitive cell
		Symmetry operations for a two dimensional crystal, Bravais lattice in two dimensions
		Symmetry operations for a two dimensional crystal, Bravais lattice in three dimensions
		<b>Sunday</b>
3	<b>Chapter-I [Crystalline Structure-I]</b>	Crystal planes and Miller indices
		Interplaner spacing
		Crystal structure of diamond
		<b>Sunday</b>
4	<b>Chapter-I [Crystalline Structure-I]</b>	Crystal structure of diamond
		Zinc Sulphide
		Crystal structure of Sodium Chloride