

Physics

Lesson Plan

B.Sc - 6<sup>th</sup> Sem ; 2024-25

Jan 2025

PH-601 : UNIT-IV ; Introduction to Nano Physics

Feb 2025

PH-601 ; UNIT-III ; Superconductivity  
UNIT-I : Crystal structure-I  
[+ Test of Unit IV, III]  
+ Practicals

March 2025

PH-601 ; UNIT-II : Crystal structure - II  
PH-602 ; UNIT-IV : Atom in external field  
+ Molecular physics  
[+ Test of Unit I, II, IV]  
+ Practicals

April 2025

PH-602 ; UNIT-I ; Historical background of atomic spectroscopy  
UNIT-II ; Vector atom Model (single valence  $e^-$ )  
UNIT-III ; Vector atom Model (two valence  $e^-$ )  
+ Practicals

May 2025

Test of remaining chapters + covering of remaining topics

Prof

Physics Lesson Plan ; B.Sc - 2<sup>nd</sup> Sem ; 2024-25

<u>Feb. 2025</u>	<u>UNIT-I</u> : Vector Background & Electric field + practicals
<u>March 2025</u>	UNIT-2 : Remaining Topics + Numericals UNIT-III : Magnetic field + Magnetic properties of + practicals matter
<u>April 2025</u>	UNIT-III : Time varying EM fields + EM waves UNIT-IV : DC circuits + practicals
<u>May 2025</u>	UNIT-IV : AC circuits

Prjya

B.Sc - 4<sup>th</sup> Sem ; B23-PHY-401

<u>Feb 2025</u>	UNIT-IV : Lasers, Fibre optics + practicals
<u>March 2025</u>	UNIT-III : Polarization [+ Test of Unit IV, III] + practicals
<u>April 2025</u>	UNIT I : Interference by division of wave front " " " " amplitudes
<u>May 2025</u>	UNIT-II : Fresnel's diffraction + practicals UNIT-II : Fraunhofer diffraction [+ Test of Unit I, II]

Prjya