

**Fr. Conceicao Rodrigues College of Engineering,
Bandra (West)
Lesson Plan (Mechanical)
SEM-I (2022-23)**

Module	Contents	Hours	Planned Date	Executed Date	Content Delivery Method	Remark
6	• Basic introduction and Basic formulae	10	16/11/2022	16/11/2022	Chalk & Board	
	• Equivalent Mass Calculation and Water (Introduction)		18/11/2022	17/11/2022	Chalk & Board	
	• Hardness concept, Temporary and Permanent Hardness		23/11/2022	18/11/2022	Chalk & Board	
	• Numericals Based on Temporary and Permanent Hardness		25/11/2022	21/11/2022	Chalk & Board	
	• EDTA introduction		29/11/2022	23/11/2022	Chalk & Board	
	• Determination of Hardness		30/11/2022	25/11/2022	Chalk & Board	
	• EDTA based Numericals		02/12/2022	29/11/2022	Chalk & Board	
	• Ion Exchange Method		06/12/2022	30/11/2022	Chalk & Board	
	• Reverse Osmosis, Ultrafiltration (Water Completed)		07/12/2022	02/12/2022	Chalk & Board	
	• Water Numericals (Revision)		09/12/2022	06/12/2022	Chalk & Board	
5	• Polymer Introduction	07	13/12/2022	07/12/2022	Chalk & Board	
	• PMMA, Kevlar preparation		14/12/2022	09/12/2022	Chalk & Board	
	• Moulding and types, Numericals based on Number average and Weight average		16/12/2022	13/12/2022	Chalk & Board	
	• Injection, Compression Moulding		27/12/2022	14/12/2022	Chalk & Board	
	• Transfer and Extrusion moulding completed		28/12/2022	16/12/2022	Chalk & Board	
	• Polymer completed		30/12/2022	27/12/2022	Chalk & Board	
	• Polymer (Revision)		03/01/2023	28/12/2022	Chalk & Board	
4	• Phase Rule introduction	05	04/01/2023	29/12/2022	Chalk & Board	
	• Phase, Component and Degrees of freedom		06/01/2023	30/12/2022	Chalk & Board	
	• Water (One Component System)		10/01/2023	03/01/2023	Chalk & Board	
	• Pb-Ag (Two Component System)		11/01/2023	04/01/2023	Chalk & Board	
	• Merits and Demerits		13/01/2023	06/01/2023	Chalk & Board	
2	• Aromaticity	05	17/01/2023	10/01/2023	Chalk & Board	

	• Criteria for Aromaticity		18/01/2023	11/01/2023	Chalk & Board	
	• Structure of Benzene		20/01/2023	13/01/2023	Chalk & Board	
	• Structure of Pyrrole (Aromaticity completed)		25/01/2023	17/01/2023	Chalk & Board	
	• Revision (Aromaticity)		27/01/2023	18/01/2023	Chalk & Board	
1	• Atomic structure (Introduction)	05	03/02/2023	20/01/2023	Chalk & Board	
	• Shape of s, p & d-orbitals			21/01/2023	Chalk & Board	
	• M.O.Diagram for Oxygen			25/01/2023	Chalk & Board	
	• M.O.Diagram for CO & NO (Atomic structure completed)			27/01/2023	Chalk & Board	
	• Revision (Atomic Structure)			03/02/2023	Chalk & Board	