

**"PVC NSSK" GOVERNMENT POLYTECHNIC BILASPUR, AT KALOL**

Lesson Plan

Session : March to June 2022

Name of Teacher : Manoj Kumar and Sameer Sharma Subject : Engineering Drawing - II Class : Electrical Engg(2nd Sem)

Sr. No.	Month	Week	Date	Name of Chapter	Content to be taught	Remarks
1	March	3rd	15,17	Detail and Assembly Drawing	Introduction to Engineering Drawing - II, Syllabus overview and Evaluation Scheme, Principle and utility of detail and assembly drawings	
		4th	22,24, 25		Wooden joints i.e. corner mortice and tenon joint, Tee halving joint, Mitre faced corner joint, Tee bridle joint, Crossed wooden joint, Cogged joint, Dovetail joint, Through Mortice and Tenon joint, furniture drawing - freehand and with the help of drawing instruments.	
		5th	29,31		Practice on Unsolved problems	
2	April	1st	1	Screw Threads	Thread Terms and Nomenclature, Types of threads-External and Internal threads, Right and Left hand threads (Actual and Conventional representation), single and multiple start threads.	
		2nd	5,7,8		Different Forms of screw threads-V threads (B.S.W threads, B.A thread, American National and Metric thread)	
		3rd	12		Square threads (square, Acme, Buttress and Knuckle thread)	
		4th	19,21, 22	Nuts and Bolts	Different views of hexagonal and square nuts. Square and hexagonal headed bolt	
		5th	26,28, 29		Assembly of Hexagonal headed bolt and Hexagonal nut with washer, Assembly of square headed bolt with hexagonal and with washer.	
3	May	1st	5,6	Locking Devices	Different types of locking devices-Lock nut, castle nut, split pin nut, locking plate, slotted nut and spring washer, Foundations bolts-Rag bolt, Lewis bolt, curved bolt and eye bolt, Drawing of various types of studs	
		2nd	10,12, 13	Keys and Cotters	Various types of keys and cotters - their practical application, drawings of various keys and cotters showing keys and cotters in position, Various types of joints - Spigot and socket joint	
		3rd	17,19, 20		Gib and cotter joint, Knuckle joint	
		4th	24,26, 27	Rivets and Riveted Joints	Types of general purpose-rivets heads, Caulking and fullering of riveted joints, Types of riveted joints, Lap joint-Single riveted, double riveted (chain and zig-zag type), Single riveted, Single cover plate butt joint	
		5th	31		Single riveted, double cover plate butt joint Double riveted, double cover plate butt joint(chain and zig-zag type)	
4	June	1st	3		Practice on Unsolved problems	
		2nd	7,9,10	Coupling	Introduction to coupling, their use and types, Flange coupling (protected)	
		3rd	16,17		Flexible Coupling	
		4th	21,23, 24	Use of CAD software	Draw any two joints/coupling using CAD software from the following: Sleeve and cotter joint, Knuckle joint, Spigot and socket joint	
		5th	28		Gib and cotter joint, Flange coupling, Muff coupling	

Signature of teacher  
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Signature  
11/03/22  
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