

“PVC” NSSK G.P Bilaspur at Kalol		Department: -MECHANICAL ENGG. (3rd Sem.) Subject- MD-I				
		Course -DIPLOMA			Duration -3 Years	
SYLLABUS COVERAGE		Total Periods-84			Practical -84	
Sr No	Period No's	Topic	Details	Instruction Reference	Additional Study Recommended	Remarks
1	1-12	Intersection of the following	Cylinder with cylinder (equal and different diameters) axis at right angle. - Cylinder with cylinder (axis inclined). - Cylinder with cone (Axis at right angle and inclined) - Practice exercises on intersection of different surfaces such as cylinder, cone and prism.	Machine Drawing By R.K Dhawan and Machine Drawing by P.S Gill		
2	13-38	Detail drawing of the following with complete dimensioning , tolerances, material and surface finish specification s	Arbor, Universal couplings, Bearings :- Simple bushed bearing, Ball bearing and roller bearing, Plummer block (detailed drawing), Plummer block (assembled drawing), Foot Step bearing	----do---		
3	39-42	Bracket	Wall Bracket	----do---		
4	43-54	Pulleys	Fast and loose pulley ,Stepped and V-belt pulley	----do---		
5	55-66	Pipe Joints	Flanged pipe joints, right angle bend ,Hydraulic pipe joints, Spigot and Socket joint, Expansion pipe joint ,Practice of blue print reading on mechanical components.	----do---		
6	67-84	Lathe Parts	Tool post ,Tail stock, Screw Jack	----do---		

Approved	HOD Sign.
Date	14/09/21