

 <p>JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE</p>	<p>Jaipur Engineering College and Research Centre, Shri Ram kiNangal, via Sitapura RIICO Jaipur- 302 022.</p>	<p>Academic year 2020-21</p>
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Viva Voce

Year: B. Tech. I Year Semester-I & II

Subject& Code: Computer Aided Machine Drawing (1FY3-29/2FY3-29)

Lab Outcomes (LO)	
LO1	Students will be able to recognise an orthographic & sectional drawing of machine components
LO2	Students will be able to relate joints (permanent & temporary) & assembly drawings.
LO3	Students will be able to make orthographic drawing of machine components in AutoCAD.

Sheet No.	LO	Objectives
1.	LO1	Introduction, Lines, Dimension System, Orthographic Projection
		<ol style="list-style-type: none"> 1. What is Projection? what are types of projection? 2. What is Orthographic Projection. 3. What is Isometric Projection. 4. What is Orthographic Projection. 5. What are the methods of Orthographic Projection. 6. What is Oblique Projection. 7. What is perspective Projection. 8. What is parallel Projection. 9. Differentiate Orthographic Projection & Isometric Projection. 10. What are System of Dimensioning?
2.	LO1	Sectional View
		<ol style="list-style-type: none"> 1. What is sectioning? 2. Why we do sectioning? 3. What are the rules of sectioning? 4. At what angle hatching is done? 5. What are the types of sectioning? 6. Differentiate full sectioning & half sectioning. 7. Which pencil is used for hatching? 8. Which pencil is used for cutting plane line?



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		9. What is the ratio of cutting plane line? 10. What is offset sectioning?
3.	LO2	Riveted Joints & welded Joints, Screw Threads
		1. What is fastening? 2. What are types of fastening? 3. What is rivet. 4. What is welding? 5. What are the types of rivet head? 6. What are the types of rivet joints? 7. What is the formula of shank diameter . 8. What is the formula of t_1 & t_2 . 9. What is the formula of pitch. 10. What is the formula of P_r .
4.	LO3	AutoCAD
		1. What is AutoCAD? 2. What is Full form of CAD? 3. What are the uses of Autocad? 4. What is the file formats used in design? 5. What are the benefits of using AutoCAD? 6. What is the short cut command for trim? 7. What is the short cut command for open a new drawing tab in AutoCAD? 8. What is the short cut command for ortho mode on/off? 9. What is the short cut command for chamfer& fillet? 10. What is the short cut command for Polar tracking on/off?