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PaperCode: ICT152			2	Paper: Engineering Graphics-II								. 2	1
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			Theory	Examina	tions: 60	marks						ME HO	
Cours	se Ob	jectives	s:			c 1:16							
1:				earn sec	tioning c	of solid fi	igures.	مبروط الثي	undorst	anding o	fisometr	ic and	
2:	Th	The students will understand 3D projections. They will have understanding or isomewhat											
	ah	ablique projections											
3:	Th	The students will have understanding of perspective projections, The students will learn computer aided drafting.											
4:	Th	ne studei	nts will l	earn cor	nputer a	ided dra	fting.						
Cour	se O	utcomes	(CO):										
CO1:	AL	sility to	draw soc	tional d	iagrams	of solids		,					
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CO3		3	3	3	3	2	-	-	-	1	2	1	2
CO4		3	3	3	3	2	-	-	-	l I		-	

Section of Solids: Definition of Sectioning and its purpose, Procedure of Sectioning, Illustration through examples, Types of sectional planes-application to few examples.

Isometric Projection: Classification of pictorial views, Basic Principle of Isometric projection, Difference between isometric projection and drawing, Isometric projection of solids such as cube, prism, pyramid and

Oblique Projection: Principle of oblique projection, difference between oblique projection and isometric projection, receding lines and receding angles, oblique drawing of circle, cylinder, prism and pyramid.

Perspective Projection: Principle of perspective projection, definitions of perspective elements, visual ray Unit III method, vanishing point method. Conversion of 3D to 2D figures.

Introduction to CADD: Interfacing and Introduction to CAD Software, Coordinate System, 2D drafting: lines, circles, arc, polygon, etc., Dimensioning, 2-D Modelling, Use of CAD Software for engineering drawing practices.

Note: The sheets to be created shall be notified by the concerned teacher in the first week of teaching.

1. Engineering Drawing by N.D. Bhatt, 53rd Ed., Charotar Publishing House Pvt. Ltd., Gujarat, 2017.

References:

1. Engineering Drawingby P.S. Gill, S.K Kataria & Sons, New Delhi, 2013.

2. Technical Drawing with Engineering Graphics by Frederick E. Giesecke, Shawna Lockhart, Marla Goodman, and Cindy M. Johnson, 15th Ed., Prentice Hall, USA, 2016

3. Engineering Drawingby M.B. Shah and B.C. Rana, 3rd Ed., Pearson Education, New Delhi, 2009.

4. AutoCAD 2017 for Engineers & Designersby Sham Tickoo,, Dreamtech Press 2016.

Porani Chandra

PaperCode: BS156 Paper		per: Engineering Chemistry - II Lab.			Р	C
aperID: 99156						1
Teachers Continuous Evaluation:		40 marks Term End Examinations:		60 Marks		
nstructions:						
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2. The practical list shall be notified by the teacher in the first week of the class commencement under intimation to the office of the school in which the paper is being offered.

PaperCode: BS158 Paper: Engineering Physics - II Lab.				Р	C
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valuation:	40 marks	Term End Examinations:	Examinations: 60 Marks		
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this is the practical component of the corresponding theory paper.

2. The practical list shall be notified by the teacher in the first week of the class commencement under intimation to the office of the school in which the paper is being offered.

Prawin Chamdra

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