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leachin	g Schedule	Per Week	Progressi	ve	Examination Schedule (Marks)					
Lectures	Practical	Credit	Assessme		The		Practical Ex.		1 · · · · · · ·	
4	-	4	25 3 Hrs 100		u E					
re-requisite		Source		Theory					125	
2055		ARC	Semester			Total	TW	PR	Gr Total	
			L	75	25	100	-	-	100	

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ATIONALE: The aim of this curriculum is to make the students aware of the more advanced materials & to generate a thinking process for their appropriate use in the building industry.

COURSE CONTENTS		Mk	
CONCRETE	Hrs.		
equirements of good lime concrete & cement concrete, Measurement & proportioning of ingredients of concrete, Grades of concrete, Water cement ratio, Properties of soncrete, Field test for concrete, Production, placing, compacting & curing of concrete, Requirements, types & uses of light weight concrete, Introduction to concrete blocks & bricks & there uses.		16	
*LOOR FINISHING MATERIALS. Equirements of various floor finishing materials viz. Glazed, earthen ware, cement concrete, PVC, wood, linoleum, Bitumen mastic, and rubber, Choice of flooring material according to its use, Details of laying.	10	16	
PLASTICS roduction to plastics & its major classification, Use of plastic in building industry.	2	4	
ADHESTVES	2	4	
roduction to adhesives, Types of adhesives, Requirements of synthetic resin \mathcal{Z} its uses.			
WAN RESOURCE & CURRICULUM DEVELOPMENT CELL. DIRECTORATE OF TECHNICAL EDUCATION,		24	

 5. COMMERCIAL FORMS OF TIMBER. Requirements of various commercial forms like plywood, particleboard, and fibreboard, blackboard, laminboard, veneers, and laminates, Market forms of the above & there uses. 6. PAINTS AND VARNISHES Requirement & uses of a good paint, Constituents of a paint, Preparation of paint Various types of paints & their uses, Requirement and uses of dry & oil bound distemper, Process of painting: - New & old woodwork, Iron, steel and G.I. work. Plastered surface, Requirements, types & uses of varnish. Method of applying of French polish, Wax polishing & oiling of woodwork. 	12	16	
5. COMMERCIAL FORMS OF TIMBER. Requirements of various commercial forms like plywood, particleboard, and	12	10	
fibreboard, blackboard, laminboard, veneers, and laminates, Market forms of the			
above & there uses.			
6. PAINTS AND VARNISHES	12	16	
Requirement & uses of a good paint, Constituents of a paint, Preparation of paint			
Various types of paints & their uses, Requirement and uses of dry & oil bound			
distemper, Process of painting: New & old woodwork, Iron, steel and G.I. work.			
Plastered surface, Requirements, types & uses of varnish. Method of applying of			
French polish, Wax polishing & oiling of woodwork.			
7. PIPES & FITTINGS	10	16	
Requirements of different types of pipes used for: -Water supply, Storm water			
drainage, Drainage of sanitary sewage, Fittings for the above, Methods of laying.			. ~
BITUMEN	2	4	
ntroduction to bitumen as a building material & its major classification, Market forms			
& its appropriate uses.			
GYPSUM	2	4	
Brief introduction to the various chemical forms of gypsum, Various market forms &			
GLASS	2	4	
nef introduction to chemical composition & classification of glass, General			
airements of glass, Requirements & uses of various markets form. Total	~	100	
	64	100	
WORK			
scussion & presentation of reports on market study of the following.			
LITELE DIOCKS/ DIICKS.			
us floor finishing materials.			
acous commercial forms of timber.			-
ous types of pipes & their fittings.			1
ious gypsum products.			
yous market forms of glass.			
Construction Sushil Kumar			
Sering Motorials			
Construction Dr. B. C. Burmio			
gineering RS Deshpanda			
gring G. J. Kulkarni.			
fing Materials Vazirani, Chandola.			
Construction MO Withey G W Washa			
Engineering Santosh Kumar Garg.			
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