

LESSON PLAN

NAME OF THE FACULTY : Sh. SAHIL PAHAL, Sh. KULDEEP
DISIPLINE : ARCHITECTURAL ASSISTANTSHIP
SEMESTER : 3rd
SUBJECT : BUILDING MATERIALS AND CONTRUCTION TECHNOLOGY-I
LESSION PLAN DURATION : 15 WEEKS
WORK LOAD PER WEEK : 02(T) + 04 (P)

Week	Theory /practical	
	Lecture Day	Topic
1 ST	1	Lime & Cement : Uses and classification of lime, Setting action of fat lime and hydraulic lime and Storing of lime.
	2	Joinery (1 sheets) Doors frames – their fixing .
2 ND	3	Types of cement, their properties and uses Composition of portland cement Setting and hardening of cement and storage of cement
	4	Joinery (1sheets) windows frames – their fixing .
3 RD	5	Aggregates & Mortar Types and uses of Coarse Aggregates and Fine Aggregates Different types of sand and other Puzzolona material
	6	Panel Door . (1 sheet)
4 TH	7	Functions, uses of Mortar and its proportion for different building works Preparation of cement mortar, lime mortar.
	8	Flush Door. (1 sheet)
5 TH	9	Lime cement mortar and their uses .
	10	SESSIONAL Ist
6 TH	11	Definition of concrete, workability of concrete, Water - Cement Ratio.
	12	Casement Windows . (1 sheets)
7 TH	13	Compaction and Curing of concrete Properties & necessity of Reinforced cement concrete (RCC), M15, and M20 .
	14	Pivot Windows. (1 sheets)
8 TH	15	Characteristics and uses of common Indian timbers i.e. Sal, Deodar, Kali, Tali, Chir, and Teak etc.

	16	Building hardware (sizes, applications) (1sheet) : Tower bolts Hinges including concealed hinges, Door , Handles , Door springs , Latches .
9TH	17	Characteristics of hard wood and soft wood. Characteristics of good timber.
	18	Building hardware (sizes, applications) (1sheet) : Floor door stopper/floor springs and magnetic types stoppers Fan light pivots, Mortice lock , Door closer – including hydraulic types, Ventilator chains, Wire gauze, Magnetic cupboard closers.
10TH	19	Defects in timber.
	20	SESSIONAL-II
11TH	21	Different methods of seasoning and preservation / preservative materials of timber.
	22	Plastering and pointing (1 Sheet)
12TH	23	Types of doors , Types of windows
	24	False Ceiling, (1 Sheets)
13TH	25	Types, thickness, uses, Availability and sizes of : Sheet glass Wired glass, Laminated safety glass , Plate glass,
	26	Paneling and Fibrous Board Finishes (1 Sheets)
14TH	27	Types, thickness, uses, Availability and sizes of : Insulating glass Tinted glass Heat absorbing glass , Glass blocks
	28	Market survey/collection of catalogues for study purpose.
15TH	29	Types, thickness, uses, Availability and sizes of : Toughened glass Structural glazing , Etched glass , Stained glass , Mirrors .
	30	SESSIONAL III