

LESSON PLAN

NAME OF FACULTY : NAVNEET KAUR
DISCIPLINE : ARCHITECTURAL ASSISTANTSHIP
SEMESTER : 3rd
SUBJECT : BUILDING MATERIALS AND
CONSTRUCTION TECHNOLOGY-I

LESSON PLAN DURATION : 17WEEKS

WORK LOAD (LECTURE/PRACTICAL) PER WEEK: 02(T) + 04(P)

WEEK	TOPIC
1 ST	Lime & cement: uses and classification of lime, setting action of fat lime and hydraulic lime and storing of lime.
	Joinery (1sheet) Doors frames- their fixing.
2 ND	Types of cement , their properties and uses composition of Portland cement setting and hardening of cement and storage of cement
	Joinery (2sheet) window frames- their fixing.
3 RD	Aggregates & mortar types and uses of coarse aggregates and fine aggregates different types of sand and other puzzolona material.
	Panel Door (1sheet)
4 TH	Functions, uses of mortar and its proportion for different building works preparation of cement mortar, lime mortar.
	Flush Door. (1sheet)
5 TH	Lime cement mortar and their uses
	Definition of concrete, workability of concrete, water- cement ratio
6 th	Compaction and curing of concrete properties & necessity of reinforced cement concrete (RCC), M15, and M20.
	Pivot windows. (1sheets)
7th	SESSIONAL 1st
8th	Characteristics and uses of common Indian timbers i.e. Sal , Deodar, Kali, Tali, Chir and teak etc.
	Building hardware (sizes application) (1 sheet): tower bolts hinges including concealed hinges, door, handles, door springs latches.
9th	Characteristics of hard wood and soft wood. Characteristics of good timber.

	Building hardware (size application) (1sheet) : floor door stopper/floor springs and magnetic types stoppers fan light pivots, mort ice lock , door closer- including hydraulic types , ventilator chains, wire gauze, magnetic cupboard closers.
10th	Defects in timber.
	Different methods of seasoning and preservation/ preservative materials of timber.
11th	SESSIONAL 2nd
	Plastering and pointing (1sheet)
12th	Types of doors, types of windows
	False ceiling,(1sheets)
13th	Types, thickness, uses, availability and sizes of: sheet glass wired glass, laminated safety glass, plate glass,
	Paneling and fibrous board finishes (1sheets)
14th	Types, thickness, uses, availability and sizes of: insulating glass tinted glass heat absorbing glass, glass blocks
	Market survey/collection of catalogues for study purpose.
15th	Types, thickness, uses availability and sizes of : Toughened glass structural glazing, etched glass, stained glass, mirrors.
	Submission of assignment of glass
16th	SESSIONAL 3rd
17th	Revision of full syllabus

