THIRD YEAR – FIFTH SEMESTER

AC 502	BUILDING TECHNOLOGY - V	L=0,S=6,W=0	CREDTIS =04

INTERNAL ASSESSMENT(TERM WORK /EXERCISE) = 50 CONTACT HRS/WK = 06
UNIVERSITY EXAMINATION = 50

Focus: Understanding the behaviour of two different materials i.e. concrete and steel their various possibilities, Building elements and components, different processes and products.

Contents: Materials -Steel and Concrete - R.C.C. Elements - P.C.C. Elements - Precast Elements
Building Const. and precognitions/safety measures
Different type of slabs and vaults.
Damp proofing
Water proofing
Thermal Insulations
RCC column foundation - Retaining walls, Raft, Pile foundation, cantilever, & combined footing
Protection of Structures
Constructional/Expansion joints
Anti termite treatments
Different preservative measures and procedures

Method: Case studies & documentation of building elements & compound within the architectural context.
Analysis of elements three models.
Studio Exercise.

REFERENCE :

SR.NO.	TITLE	AUTHOR
01.	Building Construction	.Moorthy
02.	Building Construction	Ramannathan
03.	Building Construction	B.C. Punamia