

Guru Nanak Dev Engineering College, Ludhiana						
Department of Civil Engineering						
Program	B.Tech.		Semester		6	
Subject Code	PECE-116		Subject Title		Building Construction Practice	
Mid Semester Test (MST) No.	1		Course Teacher(s)		Gurdeepak Singh & Sukhwinder Singh	
Max. Marks	24		Time Duration		1 hour 30 minutes	
Date of MST	17 th March, 2025		Roll Number			
Note: There is no choice in questions.						
Q.	Question				COs, RBT	Marks
Q1	List the various types of structures from the view point of load transfer mechanisms.				CO4, L2	2
Q2	Describe the various methods used for the design of high rise buildings.				CO4, L2	2
Q3	What are the key aspects and challenges in the responsible sourcing of the building materials?				CO2, L4	4
Q4	Explain the different types of Rubble masonry with the help of neat sketches.				CO1, L3	4
Q5	Explain different types of bonds used in brick masonry.				CO1, L4	4
Q6	Define the terms centering and shuttering for buildings. What are the recommended durations for the de-shuttering of formwork in various components in a building?				CO2, L3	8
CO	Course Outcome					
1	Apply know-how to execute different types of construction using masonry and concrete					
2	Plan and freeze specifications in light of BIS guidelines					
3	Decide appropriate type of equipment needed to execute the construction activity					
4	Select appropriate type of construction method and formwork					
5	Construct various structural and non-structural building components					
6	Execute different construction activities related to substructure and superstructure					
RBT Level Number	L1	L2	L3	L4	L5	L6
RBT Level Name	Remembering	Understanding	Applying	Analyzing	Evaluating	Creating