

HALL TICKET NUMBER

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PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
(AUTONOMOUS)

II B.TECH I SEMESTER END SUPPLEMENTARY EXAMINATIONS, MARCH/APRIL - 2023
BUILDING MATERIALS AND CONSTRUCTION
(CE Branch)

Time: 3 hours

Max. Marks: 60

Note: Question Paper consists of Two parts (Part-A and Part-B)

PART-A

Answer all the questions in Part-A (5X2=10M)

Q.No.	Questions	Marks	CO	KL
1	a) Why is it important to study the properties of building materials	[2M]	1	
	b) Write a short note on teak wood	[2M]	2	
	c) What are the various uses of lime?	[2M]	3	
	d) What are the various tests for concrete	[2M]	4	
	e) Write about different types of roofs	[2M]	5	

PART-B

Answer One Question from each UNIT (5X10=50M)

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	What is the classification of various types of wood used in the construction?	[10M]	1	
OR				
3.	Explain the terms with neat sketches: English and Flemish bonds, Rubble and Ashlar Masonry	[10M]	1	
UNIT-II				
4.	Discuss the impotence of seasoning of timber? What are the methods of seasoning and explain any two methods?	[10M]	2	
OR				
5.	Explain about Galvanized Iron, Fiber – Reinforced Plastics	[10M]	2	
UNIT-III				
6.	Describe different constituents and their functions in ordinary Portland cement.	[10M]	3	
OR				
7.	What is hydration of cement? What is initial and final setting time of cement?	[10M]	3	
UNIT-IV				
8.	Explain about the sizes Coarse and fine aggregates	[10M]	4	
OR				
9.	Write about different types of floors and explain about concrete flooring in detail	[10M]	4	
UNIT-V				
10.	What are the types of roofs? Explain queen-post roof truss.	[10M]	5	
OR				
11.	Explain in detail i) Scaffoldings ii) Form work iii). Old wood painting iv). Varnish v) Plastering pointing	[10M]	5	
