

HALL TICKET NUMBER

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

II B.TECH I SEMESTER END REGULAR/SUPPLEMENTARY EXAMINATIONS, JAN - 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) Give instances where you will use a) Random rubble work and b) ashlar work	[2M]	1	
	b) Define bulking of sand and list out the characteristics of good tiles.	[2M]	2	
	c) List out various types of cement and their properties	[2M]	3	
	d) Explain how do you ensure quality control of concreting work at the site?	[2M]	4	
	e) Write about different types of paints	[2M]	5	

PART-B

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

Q.No.	Questions	Marks	CO	KL
UNIT-I				
2.	Explain about the dressing of stones? Draw the sketches of stones neatly?	[10M]	1	
OR				
3.	Explain the field tests conducted on stones?	[10M]	1	
UNIT-II				
4.	Write about seasoning of wood?	[10M]	2	
OR				
5.	What is the classification of various types of wood used in the construction?	[10M]	2	
UNIT-III				
6.	Explain the various methods of manufacture of lime?	[10M]	3	
OR				
7.	Write the Various types of cement and their properties?	[10M]	3	
UNIT-IV				
8.	Explain about hydration of concrete?	[10M]	4	
OR				
9.	Explain about compressive and tensile strength of concrete with sketch?	[10M]	4	
UNIT-V				
10.	What is painting? Explain defects in plastering?	[10M]	5	
OR				
11.	Explain the difference between Scaffoldings and Form Works? Write the components of Components of Scaffolding?	[10M]	5	

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