

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY (VSSUT), ODISHA			
Odd Mid Semester Examination for Academic Session 2023-24			
COURSE NAME: B.Tech		SEMESTER:1 st Year	
BRANCH NAME:ALL BRANCH (A,B,C,K,L,M & N)			
SUBJECT NAME: BASIC CIVIL ENGINEERING			
FULL MARKS: 30		TIME: 90 Minutes	
Answer All Questions.			
The figures in the right hand margin indicate Marks. <i>Symbols carry usual meaning.</i>			
Q1.	Answer all Questions.		[2 × 3]
a)	Define net safe and gross safe bearing capacity of soil.		CO1
b)	What are the qualities of a good timber?		CO2
c)	Differentiate between PCC, RCC and PSC.		CO2
Q2.			[5 + 3= 8]
	Describe the various disciplines of civil engineering.		CO1(8)
	OR		
	Explain any five aspects of Building planning.		CO1(5)
	Write down various types of building as per NBC. Describe any three.		CO1(3)
Q3.			[5 + 3= 8]
	What are the various types of paints? Write down in detail about any three types of paints. Write down the applications of paints.		CO2(5)
	Define the types of tiles used in construction.		CO2(3)
	OR		
	What are the fundamental properties of the construction materials? Describe one of it.		CO2(5)
	Differentiate between Mild Steel and HYSD.		CO2(3)
Q4.			[5 + 3= 8]
	Define foundation. Briefly describe various foundations.		CO1(5)
	Show the basic components of a building with figure.		CO1(3)
	OR		
	Describe various types of bricks and draw the flow chart of preparation of brick.		CO2(5)
	Differentiate between mortar and concrete.		CO2(3)