## POLYTECHNIC, B.E/B.TECH, M.E/M.TECH, MBA, MCA & SCHOOL

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	Reg. No. :	
Questi	ion Paper Code : 61266	
M.E./M.Tech, DEGRE	E EXAMINATIONS, NOVEMBER/DECEMBER 2022.	
_	Elective	
	Structural Engineering	
ST 501	12 – DESIGN OF SUB STRUCTURES	
a second	(Regulations 2017)	
Three hours	Maximum: 100 marks	
The second second	Answer ALL questions.	
1	PART A — (10 × 2 = 20 marks)	in steel o
Differentiate between	PART A — $(10 \times 2 = 20 \text{ marks})$ a combined footings and strap footings.	
Write the uses of pile l	load test.	Section of the last of the las
In which situations, pi	ile foundations may be adopted?	
Define – Grip length.	have been substituted by	10000
Differentiate between well foundations and caissons.		A STATE OF THE PARTY OF
Explain Vibration isola		The Street of the Street
In what way, machine	foundations differ from conventional foundations?	
What are expansive so		promine
Give the necessity of u		la contraction
P.	ART B — $(5 \times 13 = 65 \text{ marks})$	1
(a) Explain the applie	ications of soil investigation report in detail. Or	Berner Min
(b) Describe the proce	redure involved in plate load test and its uses.	managaria
The state of the s		1

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