

B. CONS. ENGG. 2ND YR 2ND SEMESTER EXAM.-2022**CONSTRUCTION PLANTS AND PROCESS****Time : Three hours****Full Marks : 50****Group / Part : PART I****Instructions : Use Separate Answer scripts for each Group
Answer All Questions**

No of Questions	Part I	Marks
	Answer all questions.	
Q1.a)	What is titling and shifting of well foundation? Describe two process to rectify the titling and shifting of well.	15
Q1.b)	What is sheet pile and what are the uses of sheet pile?	05
Q2.	What is diaphragm wall technique? Explain every steps of diaphragm technique with proper sketch.	20
Q3.	Draw a neat sketch of "Fixed Base Tower Crane", showing different parts of it. Describe the working methodology of Tower Crane.	10

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Name of Examination : B.E. CONSTRUCTION ENGINEERING SECOND YEAR SECOND SEMESTER – 2022

Sub : CONSTRUCTION PLANTS AND PROCESS

Marks: 50

Part-II

Answer all questions

1. Why do we adopt modern techniques over existing conventional construction process? 5
2. What are the types of construction materials being used in different construction sites?
Differentiate between shuttering and centering . What are advantages and disadvantages of wood and steel shuttering/ centering system? 7+7+6=20
3. Give the steps/ flow sheet for preparation of RMC . What are the benefits of concrete pumping? 10+5=15
4. How many types of joints you know that are used at a construction site? Give examples of welding. What are the advantages of welding? 2+3+5=10