4.	a)	List the common type of coffer dam commonly used in practice, discuss any two in detail.
	b)	Write any one method for designing of cellular coffer dam on rocks.
5.	a)	Write the general criteria for design of machine foundation. What is damped and undamped vibrations. 7
•	b)	Write the procedure for determining natural frequency. 7
6.	a)	Discuss the settlement of pile group in cohesionless soil and clayey soil.
	b)	What is CNS layer, explain how is it function? Write the specifications of soil suitable as CNS layer.
7.	a)	Discuss the point load strength test and sonic velocity test of rock. Also write significance of these tests.
	b)	What is RQD and how is it determined? 7
8.	Wr	rite short note on:
	a)	New mark influence chart
	b)	Types of caissons
	c)	Engineering classification of rock
	d)	Block foundation design

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