

P22MCAD22 Page No 2				
	UNIT - III	18		
4 a.	Explain the provision of IS-1893 for the analysis and design of buildings with soft storey.	9	L2	CO3 PO1,2,3,4
b.	List and explain the types of irregularities affecting the performance of the structure during an earthquake.	9	L2	CO3 PO1,2,3,4
c.	Briefly explain the behavior of structure for gravity load and seismic load.	9	L2	CO3 PO1,2,3,4
	UNIT - IV	18		
5 a.	List and explain the lateral load resisting system with neat sketches.	9	L2	CO4 PO1,2,3,4
b.	Mention the lessons learnt from the failure of masonry buildings during past earthquakes.	9	L2	CO4 PO1,2,3,4
с.	Briefly explain the necessity of providing bands in masonry structures.	9	L2	CO4 PO1,2,3,4
	UNIT - V	18		
6 a.	Briefly explain the codal provisions made in the ductile detailing of compression members designed for earthquake resistant design.	9	L2	CO4 PO1,2,3,4
b.	What is base isolation? Explain the necessity of providing seismic base isolation in buildings.	9	L1	CO4 PO1,2,3,4
c.	Briefly explain the codal provisions for seismic retrofitting of RC buildings.	9	L2	CO4 PO1,2,3,4

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