	(3 Hours)	[Total Marks: 80]
N.	B.: (1) Question No.1 is compulsory.	
	(2) Attempt any three out of remaining five questions.	
	(3) Figure to the right indicates full marks.	
	(4) Illustrate answer with proper sketches	
1.	Write short notes on any four of the following. (a) Main advantages of escalators over other vertical circulation systems. (b) DC/AC Motors. (c) Need of Duct in air conditioning. (d) System of plumbing. (e) Earthing for safety. (f) (f) House drainage Plance.	20 uns.
2.	(a) Explain the concept of rainwater harvesting? Explain methodology for Perco recharge bore pit.(b) Explain Principal of refrigeration and application.	lation 10 10
3.	(a) What do you understand by Earthing? Explain the various types of earthing w specifications.(b) Explain need for a green building, and material used in green building technology with their advantages.	10
4.	(a) Write about measure of fire prevention in building and list down fire lighting with function.(b)Explain the design of modern lighting with examples.	devices 10 10
5.	(a) Explain different building services to be provided in residential structure.(b) Explain Causes of fire in building and safety regulation as per NBC.	10 10
6.	(a) Explain drainage system in building with neat sketch .(b) Air conditioning system for differ types of building.	10 10
