			CBCS Scheme	
	US	N		ARC6.3
Sixth Semester B.Arch. Degree Examination, June/July 2018				
	Building Services III			
	Ti	me:	3 hrs. Max. Ma	rks: 100
ice.	Note: Answer any FIVE full questions, choosing one full question from each mod			
ted as malpract	1	a. b.	What is the need for Mechanical Ventilation System for a 2 nd basement in the build	(03 Marks) ing? (07 Marks)
Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and for equations written eg, 42+8 = 50, will be treated as malpractice.		c.	Explain, with proper sketches, the various types of ventilation systems in buildings.	
	2	a. b.	OR What are the various External and Internal air conditioning loads for a building and they calculated?	10 Marks)
	() J	a.	<u>Module-2</u> With sketches, explain the working principles of 'SPLIT AIR CONDITIONING What are AIR HANDLING UNITS? Explain its various components and their	10 Marks) systems. 98 Marks) functions 12 Marks)
	4	a. b.	What are the various air flow patterns used for air conditioning of clean rooms	(10 Marks) ? Explain (10 Marks)
	5	a. b.	With neat sketches explain the various building components needed for a geared tr	(10 Marks)
tt Note : 1. On com	6	a. b. c.	What are the various factors used for capacity calculation for an escalator?	olain with (12 Marks) (04 Marks) (04 Marks)
Importan	7	a. b.	How do you plan for evacuation and exits from the building while designing? Experiences	(10 Marks)

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