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## Sixth Semester B.Arch. Degree Examination, Dec.2015/Jan.2016 **Building Services – IV**

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions.

		. total I. This wer will I The guestions.	
		2. Draw neat sketches wherever necessary.	
		L. C.	
1		Describe with sketches at least three examples of "variable sound absorbers".	(20 Marks)
2		Differentiate between development of Greek and Roman theatres with sket	ches and
-			(20 Marks)
3		Draw a line diagram of "legitimate theatre" showing all the acoustical treatment in	The state of the s
		section including balcony soffit, ceiling side walls and proscenium opening.	(20 Marks)
4		Write short notes on:	
	a.		
	b.	Short Control of the	
	C.		
	d.	Reverberation time.	(20 Marks)
5		Draw plan and section of an acoustical door (sound proof) for a recording studio.	(20 Manka)
3		Draw plan and section of an acoustical door (sound proof) for a recording studio.	(20 Marks)
6		Differentiate between Air-borne-noise and solid borne noise.	(20 Marks)
U		Differentiate octiveen the some noise and some noise.	(20 Millins)
7		What is environmental noise? Suggest various methods to contain the same.	(20 Marks)
		76	,

- 8 Explain with neat sketches:
  - a. Floating floors.
  - b. Machine isolation.
  - c. Staggered stud wall construction.
  - d. Transmission loss.

(20 Marks)

2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice. Important Note: 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.

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