USN	I		CBCS SCHE		LIBRARY
		Seventh Semester B.A	Arch. Degree Ex	amination, J	
			ilding Servic		
Tir	ne:	3 hrs.			Max. Marks: 10
	1	Note: Answer any FIVE full	questions, choosing o	one full question	from each module.
			Module-1	No.	
1		Describe with appropriate sl	ketches:		
	a.	Characteristics of sound		j.	(12 Mark
	b.	Inverse square law.			(08 Mark
			<u>AD</u>		
2		Define the following;	OR		
2	a.	Pitch and sound intensity			(06 Mark
	и. b.	Threshold of audibility and	nain		(05 Mark
	с.	Acoustic anomalies in an au		sketches.	(09 Mark
	•••				(
		and the second sec	Modula 2		
3		Define the following:	Module-2		
5	a.	Speech Intelligibility			
	b.	Speech privacy and sound at	tenuation		
	c.	NRC value			
	d.	Membrane absorber			
	e.	Uses of STI practically.			(20 Mark
		1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 -	A. C.		
		, V.	OR		
4		Describe with sketches, the t	hree types of acoustic	materials with s	ketches. (20 Mark
			- VII		(
			Module-3		
5		Trace the origin and history	of Greek, Roman th	eatres in terms of	of acoustic advancement
					(20 Mark
					n e e e
			OR		
6		List out the Auditorium spe		ned in IS code	2526-1963 regarding siz
		and shape.			(20 Mark
		1. No. 5			
			Module-4		
7	a,	Define sound transmission cl	ass.		(08 Mark
		Define and explain mars law			(08 Mark
		Define transmission loss.			(04 Mark

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## OR

8		Describe with sketches: Design principles of reduction of noise at source. Design principles of reduction of noise by enclosures and barriers.	(10 Marks) (10 Marks)
		Module-5	
9 a.	List out the industrial noises and their sources.	(06 Marks)	
	b.	Sketch details of i) Composite wall ii) Floating floor.	(14 Marks)

## OR

		UK		
10	a.	Mention any one method of noise isolation in it	ndustries.	(04 Marks)
	b.	Acoustic interventions against urban noises in a	neighbourhoods (any two scenarios	).
			the second s	(12 Marks)
	с.	Describe the various sources of urban noises.		(04 Marks)