09ARC6.3	5
----------	---

Max. Marks:100

Sixth Semester B.Arch. Degree Examination, Nov./Dec. 2016 Building Services - IV

Time: 3 hrs. Note: Answer FIVE full questions. List the Acoustical defects of Auditorium. Explain any four with sketches and remedial 1 (20 Marks) measures. Explain the following technical terms and how they contribute for the Reverberation time 2 a. with examples. i) Reflection (10 Marks) ii) Absorption. (10 Marks) b. List the factors influencing the absorption of energy explain (20 Marks) Explain any five building materials with acoustical properties. 3 (10 Marks) Explain Sabine's formula. 4 a. (10 Marks) b. Explain Eysing's formula. Write a shot note on : 5 a. Sound insulation b. Sound masking Threshold of pain audibility c. (20 Marks) Inverse square law. d. (05 Marks) 6 What is noise? Explain. a. (05 Marks) b. Explain types of sources of noise. (10 Marks) Write about acceptable noise levels. c. Explain Airborne noise and structure borne noise and controlling method. (20 Marks) 7 Write about industrial noise and controlling methods with sketches. (20 Marks) 8

* * * * *

nk pages.	, will be treated as malpractice.
blar	50
naining	ten eg. $42+8=5$
LCL	cg l
on the	written
lines	ions
055	quat
LC1	or e
agona	and /c
v di	tor
drav	alua
rily	0 CV
ulso	cal t
duuc	app
č, č	on,
WCL	cati
ansi	tifi
our	ider
B y	3 of
ctir	guile
dune	eve
n cc	ny n
0	Ś
1.5	
Not	
ortant	
dul	

USN