

X =	167.77
	836.12

X=0.20

average absorption coefficient = 0.2

(2) The vol. of nom 5 960m3. The wall area of the nom 160 m². ceilling area 96m²-4 floor area .gom². The away sound absorption coefficient (i) for wall is 0.003 (ii) for ceilling is 0.80 f (iii) for the floor is 0.06 - Calculate the arrage sound absorption coefficient L'respheration line. ss sol

The Grenge sound absorption coefficient Q= Q, S, +2, S, +2, S,

S,+52 +5,

- 0.03×160+0.0x96+0.06×90

160+96+90

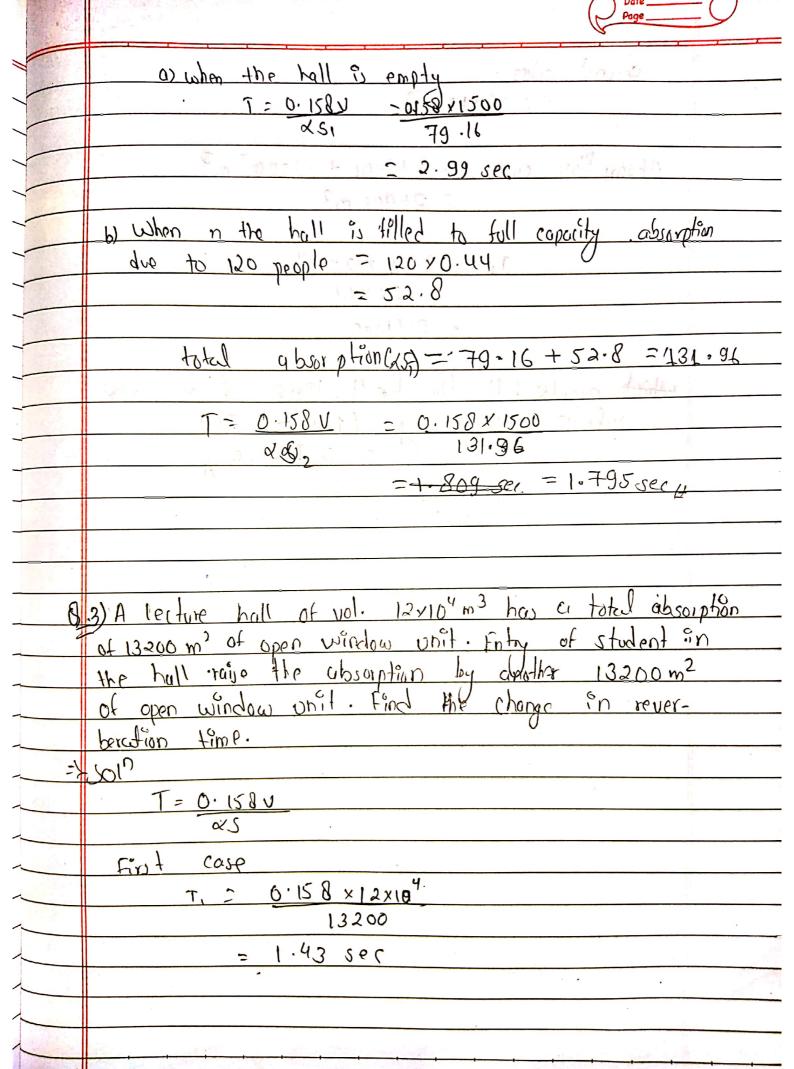
= 0.2514

And total area

S=160+96+90= 346.

New total absorption of the mon 25 = 0.2514x346 = 86.98 mam sabie

		Page
Revolveration time		
II .	William Co. W. L. T. C.	
T= 0.158V	84 9 0	
	960	
= p.15gx	98	
= 1.7414	Sec	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
- N		
Os Calculate the reverbe	ration time of s	mall hall of 1500m2
having senting congil	of 120 people	when
is The hall is execute	Id with full	eabacity of the
having seating capacit i) The hall is enoupty audience for the follow	ing data.	0
a visit in the contract of the	all of the many	· · · · · · · · · · · · · · · · · · ·
Surtup	Area	coeff. of absorption
Plostered wall	112 0m ²	0.03
worder flower	130 m2	0.06
Plastered deting	170 m?	0.04
Mooyen goors	20 m ²	0.06
Cushione 2 Chairs	120	No of the
Audience	120	0.44,
	in and the inc	
	4-19-201	
5517 Wooden Flower		1 01 2 7 0
obserption by plast	ered well = 12 x D.	0.06 = 7.8
plastered ceiling	·	
11	= 1 40 × 0 · 0 ·	4 = 6.80
	1 = 1 × 0.06	= 0-901-2
cushiored chair	2100 0 6	= 60
10th aproiption	- 130×0005	That will
The state of the s	JULY 101 3	
	100 to 2 a .	
		ed with ComSconner
	Lea mm	ad with Lambcannak



Second course. 1=12×104 m3 Absorption case = T13200 + 13200 J m2 = 26400 m² T2 1200158 X12 X104 061 26400 = 0.71sec refield people fill the hell, three of reverbe-refield change by = (1-43-0.71) = 0.72 sec.