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B. TECH (SEM-VII) THEORY EXAMINATION 2020-21 AIR AND NOISE POLLUTION CONTROL

Time: 3 Hours Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

	SECTION A		
	mpt all questions in brief.	$2 \times 7 = 14$	7
a.	What is air pollution?		
b.	Define sampling.		
c.	What is stack plume?		
d.	Describe indoor air pollution. Name any four indoor air pollutants.		
e.	Define Lapse rate, DALR and ELR.		
f.	What do you mean by the term acoustic?		
g.	Name some of the special noise environment.		
	SECTION B		
Atte	mpt any three of the following:	$7 \times 3 = 21$	
a.	Discuss the effect of noise pollution.		
b.	What are the standards for noise control? What are the various air pol technologies?	lution control	
c.	Explain the electrostatic precipitator (ESP) in detail.		
d.	Describe the catalytic convertor. Also, explain how it can automobile emissions with the help of reactions?	be used to	rec
	Describe the principle of operation, advantages, and limitati	C	1.
e.	settling chamber for particulate contaminant.	ons of Gra	vitat
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control in petrol driven passenger cars.

Describe various types of pollutants emitted from petrol-driven and diesel

motor vehicles. Also write Euro-1, Euro-II and Euro-III specifications for pollution

What are ways to reduce noise pollution? How to control noise pollution?