

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14CE2041
Sub. Name : AIR POLLUTION MANAGEMENT

Semester : IVB.Tech/7thSem
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Explain the classification of air pollution according to major emissions from global source.	CO1	10
	b.	Explain the air pollution in India due to rural and urban sources.	CO1	10
(OR)				
2.	a.	Explain the behavior and fate of air pollutants.	CO1	20
3.	a.	Explain ambient air sampling.	CO2	20
(OR)				
4.	a.	Explain the analysis of Sulphur Dioxide pollutants by ambient and stack sampling.	CO2	20
5.	a.	Explain about fabric filters in particulate emission control?	CO2	10
	b.	Explain source correction method and cleaning of gaseous effluents in air pollution control?	CO2	10
(OR)				
6.	a.	Explain the gravity settling chamber particulate control equipment.	CO2	10
	b.	Explain the cyclone separator particulate control equipment.	CO2	10
7.	a.	What are the different ways in which industrial noise can be reduced?	CO3	15
	b.	Suggest techniques for vehicle noise pollution control.	CO3	5
(OR)				
8.	a.	Explain the methods of controlling Radioactive pollution.	CO3	15
	b.	Discuss the impact of sound on human health?	CO3	5
<u>Compulsory:</u>				
9.	a.	Explain the effect of wind velocity and turbulence on air pollutants.	CO1	20

Course Outcome:

Students at the end of the course will be able to:

CO1: Classify different types of pollutants.

CO2: Analyze the possibilities of air pollution and control.

CO3: Measure the noise and develop the standards of control..

ALL THE BEST