Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**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**

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|  |  | **Semester :** | IVB.Tech/7thSem |
| **Code :** | **14CE2041** | **Duration :** | **3hrs** |
| **Sub. Name :** | **AIR POLLUTION MANAGEMENT** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| **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. |  | Explain the behavior and fate of air pollutants. | CO1 | 20 |
| 3. |  | Explain ambient air sampling. | CO2 | 20 |
| (OR) | | | | |
| 4. |  | 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 Radiaactive pollution. | CO3 | 15 |
| b. | Discuss the impact of sound on human health? | CO3 | 5 |
|  | | **Compulsory:** |  |  |
| 9. |  | Explain the effect of wind velocity and turbulence on air pollutants. | CO1 | 20 |

ALL THE BEST