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



**End Semester Examination – Nov/Dec – 2018**

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| **Code :** | **18CE3035** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ATMOSPHERIC ENVIRONMENTAL POLLUTION AND CONTROL** | **Max. marks :** | **100** |

**ANSWER ANY FIVE QUESTIONS (5 x 16 = 80 Marks)**

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. | a. | Identify different types of airpollutants. | CO2 | 8 |
| b. | Compose the effect of air pollution on the environment. | CO3 | 8 |
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| 2. | a. | Explain plume behaviour in various atmospheric conditions with figures. | CO3 | 10 |
| b. | Summarise the role of atmospheric stability in airpollution dispersion model. | CO1 | 6 |
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| 3. | a. | Explain the principle, construction and working of a settling chamber. | CO5 | 8 |
| b. | Demonstrate the working principle of a cyclone separator. | CO5 | 8 |
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| 4. | a. | List the factors considered for the selection of a gaseous pollutant control equipment. | CO6 | 6 |
| b. | Discuss various kinds of incinerators employed to burn effluent gases. | CO5 | 10 |
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| 5. | a. | Differentiate and distinguish between objective standards and subjective standards. | CO5 | 8 |
| b. | Describe the powers of state and central pollution control boards. In which areas do their responsibilities overlap. | CO5 | 8 |
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| 6. | a. | Explain the significance of sampling in air pollution investigations. | CO2 | 8 |
| b. | List and explain types of environmental sampling. | CO2 | 8 |
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| 7. | a. | Demonstrate different types of air sampling equipments. | CO5 | 10 |
| b. | Describe in detail about stack sampling. | CO4 | 6 |
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| **COMPULSORY QUESTION (1 x 20 = 20 Marks)** | | | | |
| 8. | a. | Examine the suitability of the model SCREEN concerning model air quality. | CO6 | 10 |
| b. | Describe the airpollution scenario of Delhi concerning vehicular emissions. | CO6 | 10 |