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– 2017**

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| **Code :** | **14BT2055** | **Duration :** | **3hrs** |
| **Sub. Name :** | **POLLUTION CONTROL AND ENGINEERING** | **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. | What are the pollution prevention methods taken by the Indian Legislation? | CO3 | 5 |
| b. | Discuss on steps aimed at curbing rising air pollution levels. | CO3 | 15 |
| (OR) | | | | |
| 2. | a. | Summarize the benefits of environmental assessment. | CO3 | 6 |
| b. | Describe in detail the various steps in environmental impact assessment process. | CO3 | 14 |
|  |  |  |  |  |
| 3. | a. | What are the powers and functions of CPCB? | CO3 | 4 |
|  | b. | Compare the various EIA methods and list the advantages and disadvantages of the different methods. | CO3 | 16 |
| (OR) | | | | |
| 4. | a. | Illustrate the different contexts of conducting an environmental analysis. | CO2 | 8 |
|  | b. | Evaluate the environmental impact assessment to be carried out in an industry of your choice. | CO2 | 12 |
|  |  |  |  |  |
| 5. | a. | What is environmental audit and explain its significance. | CO2 | 8 |
|  | b | Explain different steps in waste audit. | CO2 | 12 |
| (OR) | | | | |
| 6. |  | What are the various stages in LCA process? | CO2 | 20 |
|  |  |  |  |  |
| 7. |  | Assess the role of industrial symbiosis in sustainable development. Discuss with a case study. | CO1 | 20 |
| (OR) | | | | |
| 8. |  | Describe various approaches of waste reduction and material reuse. | CO1 | 20 |
|  | |  |  |  |
|  | | **Compulsory:** |  |  |
| 9. |  | With a suitable example, explain the benefits of clean technology in India | CO1 | 20 |

ALL THE BEST