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



**End Semester Examination – Nov / Dec – 2019**

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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. |  | Elaborate on the functions of CPCB and SPCB in prevention and control of water pollution in detail. Add a note on the use of water (Prevention and Control of Pollution) act 1974. | CO1 | 20 |
| **(OR)** | | | | |
| 2. | a. | Discuss on various measures for pollution control . | CO3 | 10 |
| b. | Explain the different tools for environment management. | CO3 | 10 |
|  |  |  |  |  |
| 3. |  | Write a detailed note on national air quality standards in India and list out the AQI category, pollutants and health break points in assessing the air quality and various health impacts associated with various categories. | CO1 | 20 |
| **(OR)** | | | | |
| 4. |  | Elaborately explain the manufacture, use, import, export and storage of hazardous and genetically engineered organisms and rules related to it. | CO1 | 20 |
|  |  |  |  |  |
| 5. |  | Write a detailed note on various clean technologies that can be implemented and its need for controlling land pollution. | CO3 | 20 |
| **(OR)** | | | | |
| 6. |  | Discuss the Clean up technology for the remediation of heavy metal contamination in soil and water. | CO3 | 20 |
|  |  |  |  |  |
| 7. |  | Assess the role of industrial symbiosis in sustainable development. Discuss with a case study. | CO2 | 20 |
| **(OR)** | | | | |
| 8. |  | Evaluate the environmental impact assessment to be carried out in an industry of your choice. | CO2 | 20 |
|  | | **Compulsory**: |  |  |
| 9. |  | Describe various approaches of material reuse. Suggest biotechnological solutions for waste recovery. | CO1 | 20 |