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

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

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| **Code :** | **14CH2007** | **Duration :** | **3hrs** |
| **Sub. Name :** | **ALIPHATIC AND AROMATIC CHEMISTRY** | **Max. marks :** | **100** |

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

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| **Q. No.** | **Sub Div.** | **Questions** | **Course**  **Outcome** | **Marks** |
| 1. |  | Explain the reactions of aliphatic nitrogen containing compounds with examples. | CO1 | 20 |
| (OR) | | | | |
| 2. | a. | Outline the methods of preparation of amine and azine. | CO1 | 10 |
| b. | Describe the reactions of aliphatic carbonyl compounds. | CO1 | 10 |
|  |  |  |  |  |
| 3. | a. | Explore Aldol reaction with examples. | CO1 | 10 |
| b. | Explain the reactions of mono and di carboxylic acids with examples. | CO1 | 10 |
| (OR) | | | | |
| 4. | a. | Describe the reactions of aromatic aldehydes and ketones. | CO1 | 10 |
| b. | Explain Perkin reaction with examples. | CO1 | 10 |
|  |  |  |  |  |
| 5. |  | Outline the synthetic applications of Grignard reaction. | CO2 | 20 |
| (OR) | | | | |
| 6. |  | Compare Dieckmann and Riemer Tiemer reaction with examples. | CO2 | 20 |
|  |  |  |  |  |
| 7. | a. | Describe Friedel Crafts reaction with examples. | CO2 | 10 |
| b. | Outline Baeyer Villiger reaction with an example. | CO2 | 10 |
| (OR) | | | | |
| 8. | a. | Explain Wittig reaction with one of its synthetic application. | CO2 | 10 |
| b. | Discuss Clemmensen reduction with examples. | CO2 | 10 |
|  | |  |  |  |
|  | | **Compulsory**: |  |  |
| 9. |  | Compare Curtius rearrangement and Hoffman rearrangement with examples. | CO3 | 20 |