

TDC (CBCS) Odd Semester Practical Exam., 2023**CHEMISTRY**

(3rd Semester)

Course No: CHMDSC/GEC-302L

(Practical)*Full Marks: 30**Pass Marks : 12*

Time: 6 hours

*The figures in the margin indicate full marks for the questions.**Answer all questions.*

- | | | |
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| 1. | Section - A : Physical Chemistry | 7 |
| | Perform any of the following experiment | |
| | i) Construct the phase diagram of the supplied binary solution using cooling curves. | |
| | ii) Determine the critical solution temperature for phenol-water system using standard method. | |
| | iii) Perform the conductometric titration of a strong acid vs strong base or weak acid vs strong base. Indicate the neutral point. | |
| 2. | Section B : Organic Chemistry | |
| | Identify the functional group of the supplied organic compound and prepare a derivative of the same. | 14 |
| 3. | Viva Voce. | 3 |
| 4. | Regularity in maintenance of lab. notebook. | 2 |
| 5. | Attendance. | 4 |

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