

B.SC. CHEMISTRY EXAMINATION-2022

1st year, 2nd Semester

Organic Practical

Paper: Chem/PR/04

Unit-204L-O

Time: 4 hour (11 am - 3:00 pm)

F.M: 50

- | | |
|--|----|
| 1. Organic Preparation (following the direction given below) | 30 |
| 2. Sessional | 10 |
| 3. Viva Voce and laboratory note book | 10 |

Direction for Organic Preparation: Place the supplied compound marked "P...." andmL solution marked B in a 50 mL round bottom flask fitted with a reflux condenser. Boil the mixture for 30 minutes. After that, cool the mixture and transfer the reaction mixture into a 100 mL beaker and place the container in an ice-water bath. Acidify the mixture with concentrated hydrochloric acid to make the reaction mixture acidic. Collect the precipitate, wash thoroughly with ice-cold water and dry it. Check and report crude yield. Recrystallize a small portion (approximately 50 mg) of the crude product, and determine and report melting point of the crystalized product. Submit both the crude product and recrystallize product.