

**Inter B. Sc. Examination, 2018**

**(2<sup>nd</sup> Semester)**

**Chemistry (Subsidiary)**

**Organic Chemistry Practical**

**Time: Six hours**

**Full marks: 30**

1. Prepare the organic compound "P" according to the following procedure and submit the product. 10
2. Carry out the systematic analysis of the supplied organic compound marked "O" and submit the results. 15
3. Laboratory Note Book and Viva-voce. 05

**Instruction for the Preparation of Organic Compound**

Dissolve the supplied organic compound "A" in 9 mL of "B" in a 100 mL conical flask and cool the solution in cold water. Then add drop wise 6 mL of solution "C" with constant stirring to ensure thorough mixing. After complete addition, keep the reaction mixture at room temperature for 15 minutes with occasional shaking. Pour the reaction mixture into 100 mL of water containing a piece of ice in a 250 mL beaker; rinse the conical flask with about 10 mL of water. If the solution remains orange in colour then add sodium metabisulphite solution to remove the colour. Filter the solid product "P" under suction, wash thoroughly with cold water. Dry the product "P" on water bath. Weigh the product "P" and report the yield.