

Ex/Int/Ch/I/PR/20/2017

**INTER B. SC. (CHEMISTRY) EXAMINATION, 2017**

( 2nd Year, 2nd Semester )

**CHEMISTRY (SUBSIDIARY)**

**INORGANIC CHEMISTRY**

**[ PRACTICAL ]**

Time : Six hours

Full Marks : 30

1. Make systematic analysis of the mixture of Inorganic salts marked 'S' and give the most probable composition. The sample is supposed to contain not more than three radicals.

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2. Standardize the supplied  $\text{Na}_2\text{S}_2\text{O}_3$  solution with the help of standard  $\text{K}_2\text{Cr}_2\text{O}_7$  solution. Quantitatively transfer the supplied solution marked 'V' to 250 ml volumetric flask and make up the volume upto the mark with de-ionized water. Pipette out 10 ml of the solution and titrate with standard  $\text{Na}_2\text{S}_2\text{O}_3$  solution. Calculate the total amount of copper (in g/L) present in the supplied solution.

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3. Viva-voce.

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