

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

(3rd Semester)

Course No: CHMHCC-301L

(Inorganic Chemistry-II)*Full Marks: 30**Pass Marks : 12*

Time: 12 hours

*The figures in the margin indicate full marks for the questions.***Instruction to Examiners**

1. To prepare 1L of stock solution of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$, 249g of substance may be taken and 1 ml of conc. H_2SO_4 may be added.
20 ml to 30ml of the stock solution may be supplied to each candidate in 250ml volumetric flask with following instructions :
 - (a) Make up the volume to the mark by adding water and mix thoroughly.
 - (b) Pipette out 20ml / 25ml from this.
 - (c) Follow a definite and uniform procedure by all for making of standard solution, titration etc. The procedure may be supplied to the candidate.

Distribution of marks :

Preparation of standard solution, transfer, etc. 3

Completion of experiment 3

For results

(i) Error upto 2% 8

(ii) Error upto 3% 6

(iii) Error upto 4% 4

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|--------------------|---|
| (iv) Error upto 5% | 2 |
| (v) Error > 5% | 0 |
2. Procedure may be supplied for the preparation of potash alum.
Award of marks on the relative basis of average yield and the quality of the product. 7
 3. Viva voce.
Questions related to the experiment performed may be asked and extended to relate with other experiments included the course. 3
 4. Regularity in maintenance of laboratory notebook. 2
 5. Attendance. 4
