

Kandi Raj College

Part-II (Hons) Practical Examination-2020

Sub. Inorganic Chemistry, Paper-IV

Full Marks: 50

Time: 6h

Answer the following questions

A. Inorganic quantitative analysis

(40 marks)

1. What do you mean primary standard and secondary standard solutions?
2. How do you prepared and standardized Na_2EDTA solutions?
3. How do you prepare 250mL 0.1(N) $\text{K}_2\text{Cr}_2\text{O}_7$ solution and write the details procedure
for standardizations 0.1(N) thiosulphate solutions.
4. What are Z-R solutions? Where and why it is used?
5. Write the details procedure for the estimation of Ni from NiSO_4 using dimethyl glyoxime?

B. Inorganic Preparation

(10 marks)

1. Write the details procedure for the preparations Reinecke salt
 $\text{NH}_4[\text{Cr}(\text{NH}_3)_2(\text{SCN})_4]\cdot\text{H}_2\text{O}$
2. How do you prepared oxalate copper(II) complexes using CuSO_4 .