

Raiganj Surendranath Mahavidyalaya

Inorganic Chemistry (2nd year Honours)

Solve the following questions

1. Can Nitrate (NO_3^-) be detected by the brown ring test in the presence of bromide and iodide .If not, why?
2. AgCl is insoluble in HNO_3 , but it dissolve in NH_4OH – why?
3. Why is KI starch paper turned blue by Cl_2 ?
4. Is ClO_2Cl_2 an oxydising or reducing agent?
5. Write the structure of the Ni –dimethyl glyoximate.
6. Why is Na_2CO_3 extract is used for the detection of acid radicals ?
7. Define “Group Reagent “.On what principles group separation is carried out ?
8. During analysis of unknown salts detection of NH_4^+ should be done in the preliminary test but not in gr.V – why?
9. Why does Hg_2Cl_2 turn black in contact with hot NH_3 ?
10. Why is H_2O_2 added before pptn. Of gr.II?