

2021
CHEMISTRY
(HONOURS)
PAPER : CEMHP 6
(INORGANIC)
[CBCS]

Full Marks : 15

Time : Two Hours

Answer all questions

1. Prepare the 350 ml 0.3 (N) sodium thiosulphate solution . 2
2. Calculate the equivalent weights of KIO_3 and KBrO_3 in acid medium ? 2
3. Iodometry and iodimetry titration starch should be added at the end point why ?
Starch should not be used as an indicator in strong acid solution why ? 1+1
4. What is the function of NH_4SCN in the Cu^{+2} determination ? Write the related reactions? 1+1
5. If V ml S (N) of $\text{S}_2\text{O}_3^{2-}$ required for the titration 25 ml of bleaching powder stock solution .
Then calculate the % of available chlorine in 'M' gm of bleaching powder . 3
6. If X ml f (N) of thiosulphate required for the titration 25 ml of brass stock solution .Then
calculate the % of Cu in 'w' gm of brass sample . 3
7. Write the structural formula of BaDs . 1