

Online practical Examination -2022
Susil kar college
CEMG-CC1/GE1(P)
F.M-30/ Date-08/03/22/ Time-10am – 12.0 pm

Answer the following questions $10 \times 3 = 30$

1. Calculate the gm-equivalent weight of the following compound in acidic medium. Oxalic acid ($\text{H}_2\text{C}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$), KMnO_4 and $\text{K}_2\text{Cr}_2\text{O}_7$.
2. Give two differences between primary and secondary standard solution. Give one example of each.
3. What weight of $\text{K}_2\text{Cr}_2\text{O}_7$ is required to prepare 250 ml (N/10) solution? Give calculation.
4. What is the formula of Mohr's salt? Is it a double salt or a complex salt? Explain.
5. Give principle and equation for estimation of Fe (II) ions by dichrometry.
6. Give principle and equation for estimation of Cu (II) ions iodometrically using $\text{Na}_2\text{S}_2\text{O}_3$.
7. What is an acid-base indicator? Give two examples with their colour in acid and alkali medium.
8. What weight of anhydrous Na_2CO_3 is required to prepare 250 ml (N/10) solution? Show calculation.
9. What do you mean by iodometry & iodimetry? In permanganometry no indicator is used why?
10. How do you prepare 2000 ml of 2(N) H_2SO_4 solution? Give calculation. (Taken strength of conc. $\text{H}_2\text{SO}_4 = 36(\text{N})$).

Send the answer script to the following Email Id

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