

Kandi Raj College
B.Sc. 3rd Year Hons Practical Examination-2021
Department of Chemistry
Chemistry (Hons.) / Part-III

Paper-CHEMHP-10
GROUP-A

Full Marks: 80

Answer all questions:

4x10=40

- 1. Write the procedure of group IV ppt analysis to detect Ca^{2+} ion in a sample?**
- 2. Write down the procedure of preparation of solution for wet test of acid radicals.**
- 3. Write the confirmative test of the following acid radicals**
 SO_4^{2-} , Cl^- , NO_3^- , PO_4^{3-} , I^-
- 4. Write down the procedure for separation of the precipitation of Group IIA and Group IIB metal sulphide.**

GROUP-B

Answer all questions

2x20=40

- 5. Write down theory, balanced equation and the procedure for estimation of aniline using bromate-bromide method. (8+2+10)**
- 6. What is available oxygen in pyrolusite? How can you determine it? Give brief procedure. (5+5+10)**

Paper-CHEMHP-11

Full Marks: 80

Answer all questions:

2x20=40

- 1. What is Viscosity ? Write down the theory, working formula and brief procedure for determination of viscosity in laboratory. Which factors can affect viscosity and how ? (2+5+2+8+3)**
- 2. Write down the theory, working formula and brief procedure for potentiometric titration of an acid with a base . (5+5+10)**