

B.Sc I Yr (II Semester) Chemistry Practical Examination

Paper II- Qualitative analysis – II

The following salt mixtures to be given in the practical examination

1. $\text{NH}_4\text{Cl} + \text{Ba}(\text{NO}_3)_2$
2. $\text{NH}_4\text{CH}_3\text{COO} + \text{MnBr}_2$
3. $\text{CaCO}_3 + \text{CdI}_2$
4. $\text{Al}_2(\text{SO}_4)_3 + \text{Cd}(\text{CH}_3\text{COO})_2$
5. $\text{ZnCO}_3 + \text{Al}_2(\text{SO}_4)_3$
6. $\text{SrCO}_3 + \text{PbCl}_2$
7. $\text{MgCO}_3 + \text{NH}_4\text{Br}$
8. $\text{CaC}_2\text{O}_4 + \text{CdCl}_2$
9. $(\text{NH}_4)_3\text{PO}_4 + \text{CdCl}_2$
10. $(\text{NH}_4)_2\text{CO}_3 + \text{SnCl}_2$

Scheme of evaluation:

1. **Experiment** : Analyze the two anions and two cations in the given salt mixture
20 Marks (5 marks for each ion; $5 \times 4 = 20$)
 2. **Objective viva** : 03 Marks (six objective questions, each $\frac{1}{2}$ mark ; $1/2 \times 6 = 3$)
 3. **Record** : 02 Marks
- TOTAL : 25 Marks**