

B.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020
III Year V Semester
Physical Chemistry - I

Max.marks :25

Answer any **FIVE** questions ($5 \times 5 = 25$) Marks

1. Explain with a neat plot and calculate the molecular weight of a nonvolatile solute by using boiling point.
2. Explain the Lead – Silver system with diagram.
3. Derive the rate constants of Second order reactions.
4. Explain the Consecutive, Parallel and Reversible reactions with example.
5. Write differences between Physisorption and chemisorption.
6. Write note on Langmuir adsorption Isotherm.
7. Explain the Na – K system.