KAKINADA SRI ADITYA DEGREE COLLEGE

(AFFILIATED TO DR.B.R.AMBEDKAR UNIVERSITY)

B.SC(MIN CHEM) IV- SEMESTER,-MID-1 EXAMINATIONS FEB -2025

DATE: 14.02.2025   Time: 3 Hrs

SUBJECT: PHYSICAL CHEMISTRY II   **Max Marks:50M**

I. Answer all of the following: 3 X 10 M= 30M

1. Explain the phase diagram for water system
2. Explain the Freundlich and Langmuir adsorption isotherm
3. Explain the coagulation of colloids hardly and Schutter rule.

II. Answer ALL of the following: 4 X 5 M= 20M

4. Explain the concept of phase, component and degree of freedom
5. Explain the physical and chemical adsorption
6. Explain the phase diagram for Pb-Ag system
7. Explain the phase diagram to NaCl H_2O system

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