



# KAKINADA SRI ADITYA DEGREE COLLEGE

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

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

DATE: 13.02.2025

Time: 3 Hrs

SUBJECT: PHYSICAL CHEMISTRY- II(MINOR)

Max Marks:50M

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## 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<sub>2</sub>O system.