7. Describe Raoult's law. 10

Or

8. Write note on abnormal colligative property. 10

9. Discuss about different types of degrees of freedom. 10

Or

10. What is the Maxwell Boltzmann distribution of rotational spectra. 10

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UG (CBCS) EVEN SEMESTER EXAMINATION, 2023

EDUCATION (B.Sc. B.Ed.)

CHEMISTRY (HONOURS)

6th Semester

Course No. : BSCH - 601

(Physical Chemistry)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

1. Elucidate Langmuir adsorption isotherm. 10

Or

2. What is BET isotherm? 10

3. Explain different concepts associated with partially miscible liquid mixture. 10

Or

4. State Nernst distribution law. 10

5. Calculate the equilibrium constant for a reaction with increase in stoicheometric coefficient. 10

Or

6. What will be the equilibrium constant when stoicheometric coefficient of a reaction decreases? 10