

Chemistry

Volume 1(unit 6- 2marks and 3marks)

1. State boyles law, charles law, avagadros law.
- 2.State Gay Lusaac law.
- 3.Distinguish between diffusion and effusion.
- 4.what are ideal gases. In what way real gases differ from ideal gases.
- 5.Aerosal can carry clear warning of heating of the can. Why.
- 6.Derive ideal gas equation.
- 7.what is compressibility factor. (5marks)
8. Mixture of gases, daltons law of partial pressures.
- 9.Write the Vanderwaals equation for a real gas. Explain the correction term for pressure and volume.
10. Derive the values of critical constants in terms of vander waals constants.