Subject:- Physical pharmacy -I   Date:- 3/11/11

Marks: 10 M   Time:- 11:30am-12:30pm

Q.1 Write notes on- ANY ONE   2M

  A. Lindes Method

  B. Claudes Method

  C. Aerosols

Q.2 Write note on Critical phenomenon of gases   4M

                OR

  What are Real gases ?Derive Vander Waals equation

                OR

  What are the critical constants ? Derive relationships between critical constants and vanderwaals

  Constants

Q.3 Define the following terms   2 M

a . Optical Rotation

b. Viscosity

Q. 4 Expalin how dipole moment measurements can be used to determine the structure of

  compounds .   2 M