S. J. THAKKAR PHARMACY COLLEGE, RAJKOT

MID SEMESTER THEORY EXAMINATION

Second Semester B. Pharm (2008-2009)

PHARMACEUTICAL CHEMISRTY-II

Time: 12:00-01:00 **Date: 01-04-09** **Total: 20 Marks**

Q. 1 Answer the following questions (Any Two) **06**

1. Application of adsorption.
2. Isothermal expansion of ideal gas.
3. Discuss in detail about Langmuir Isotherm.

Q. 2 Answer the following questions (Any Two) **04**

1. Differentiate between chemisorptions and physical adsorption.
2. Describe Hess's law with example.
3. Derive the equation Cp - Cv = R

Q. 3 Define the following words (Any Five) **05**

1. Viscosity
2. Surface tension
3. Specific rotation
4. Conductance
5. Partition co-efficient
6. Reverse osmosis

Q. 4 Answer the following questions (Any Two) **05**

1. Write short note on Raults Law of dilute solution and deviation from Raults law.
2. Define Colligative properties .Derive equation for finding molecular by freezing point depression method.
3. Comment.
   a) Water rises up in fine capillary when kept vertically and d partially dipped.
   b) Boiling point of pure solvent is lower then the solvent containing non volatile solute.

ALL THE BEST