P ~~ 5~~ 5~~
P. ~~ ~~

(definition)

Compulsory Colligative properties & Rault's law, solution, solubility

Total 8 questions 2 compulsory questions (from both sec-A & B)

[mohibul sir - ques. 5 compulsory]

~~Kinetic~~

vapor pressure, curves (2), (freezing point curve imp.) maths imp. osmotic pressure, solubility curve, why some of it is discontinuous, how to differentiate true & colloidal solution, osmosis, reverse osmosis, classify solution on the base of physical state or solubility, phase,

Thermochemistry

(definitions

heat of formation, heat of neutralization
std. " " " , " " enthalpy,
why heat of neutralization is diff. for
weak acid & base, application of heat
of combustion, what is C_v & C_p,
Kirchoff's eqn at const. volume &
pressure, Hess's law, math

Chemical kinetics

methods to determine order of reaction,
1st law & 2nd law, orders dependance
on conc. of reaction, all maths, collision
theory (state, explain, limitations),
Arrhenius, transition, diff. between order
& molecularity?

chemical equilibrium

K_p, K_c, chemical features of chemical equilibrium, Vant Hoff's eqn, laws of mass action, relationship between K_p & K_c, Le chatlier's principle, math

Electrochemistry

Faraday's law of electrolysis, mechanism of electrolysis, why we use salt bridge, conductor, insulator, factors affecting the conductance of electrolyte, specific conductance decreases but molar conductance increases due to dilution, complexometric titration.

Solutions

Classify solution on basis of physical state & solubility, differentiate between true & colloidal solution.