Government PG College, Ambala Cantt.

Subject: **Phy. Chem**

Lesson Plan Session **2019-20 (Even Semester)**

Class: **B.Sc. I yr N. Med.**

Name: **Dr. Deepak Sharma**

Semester: **II**

Week/ Working Days	**Details**	**Remarks**
Jan 01 - Jan 04, 2020 **02 Days**	Rate of reaction, rate equation and its types factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light, catalyst.	
Jan 06 - Jan 11, 2020 **02 Days**	Order of a reaction, integrated rate expression for zero order, first order	
Jan 13 - Jan 18, 2020 **02 Days**	Order of a reaction, integrated rate expression for second order	
Jan 20 - Jan 25, 2020 **02 Days**	Order of a reaction, integrated rate expression for third order reactions	
Jan 27 - Feb 01, 2020 **02 Days**	Half life period of a reaction Effect of temperature on the rate of reaction – Arrhenius equation	
Feb 03 - Feb 08, 2020 **02 Days**	Theories of reaction rate – Simple collision theory for unimolecular collision Transition state theory of bimolecular reactions	
Feb 10 - Feb 15, 2020 **02 Days**	Electrolytic conduction factors affecting electrolytic conduction	
Feb 17 - Feb 22, 2020 **01 Days**	Class Test	
Feb 24 - Feb 29, 2020 **02 Days**	specific conductance, molar conductance,equivalent conductance and relation among them, their variation with concentration Arrhenius theory of ionization	

March 02 - March 07, 2020 **02 Days**	Ostwald's Dilution Law DebyeHuckel – Onsager's equation for strong electrolytes (elementary treatment only)	

Name:	**Class:**	**Semester:2019-20 (Odd)**	**Contd.. ..from Page..1..**
March 09 - March 14, 2020 **0 Days**	**Vacations**		
March 16 - March 21, 2020	Application of Kohlrausch's Law in calculation of conductance of weak electrolytes at infinite dilution		

02 Days		
March 23 - March 28, 2020 **02 Days**	Applications of conductivity measurements: determination of degree of dissociation	
March 30 - April 04, 2020 **02 Days**	determination of Ka of acids determination of solubility product of sparingly soluble salts	
April 06 - April 11, 2020 **03 Days**	conduc tometric titrations Concepts of pH and pKa , Buffer solution	
April 13 - April 18, 2020 **02 Days**	Concepts of pH and pKa , Buffer solution Buffer action Henderson – Hazel equation	
April 20 - April 25, 2020 **02 Days**	Buffer mechanism of buffer action.	
April 27 - April 30, 2020 **0 Days**	----------	
May 01, 2020	**Semester Final Examinations**	

Dr Deepak Sharma
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