

Government PG College, Ambala Cantt.Subject: **CHEMISTRY**

Lesson Plan Session 2019-20

Class: **B.Sc. 2nd (NM/ Med)**Name: **MONIKA RANI**Semester: **IV**

Week/ Working Days	Details	Remarks
Jan 01 - Jan 05, 2020 04 Days	SECTION-A THERMODYNAMICS Second law of thermodynamics: need for the law	
Jan 07 - Jan 12, 2020 06 Days	Carnot's cycle and its efficiency, Carnot's theorem	
Jan 14 - Jan 20, 2020 06 Days	Thermodynamics scale of temperature, concept of entropy-entropy as a state function, entropy as a function of V and T	
Jan 22 - Jan 25, 2020 05 Days	Entropy as a function of P and T, entropy change in physical functions	
Jan 28 - Feb 02, 2020 06 Days	Entropy as a criteria of spontaneity and equilibrium. Entropy change in ideal and mixture of gases	
Feb 04 - Feb 09, 2020 06 Days	Third law of thermodynamics : Nernst heat theorem , statement and concept of residual entropy, evaluation of absolute entropy from heat capacity data	
Feb 11 - Feb 16, 2020 06 Days	Gibbs and Helmholtz functions: Gibbs function and Helmholtz function as thermodynamic quantities, a and gas criteria for spontaneity	
Feb 18 - Feb 23, 2020 05 Days	Their advantage over entropy change. Variation of G and A with P, V and T	