

Lesson Plan

Name of the Assistant/ Associate Professor..... Manju Dhayal
Class and Section:..... B.Sc. 2nd year Sec-II (4-6 days)
Subject:..... Physics

Week	Date	Topics
1	1-Jan-18	
	2-Jan-18	
	3-Jan-18	
	4-Jan-18	An Introduction of Statistical Physics, Probability
	5-Jan-18	Terminology to be used, Permutations and Combination
	6-Jan-18	Maximum and Minimum Prob., Microstate and Macrostate
	7-Jan-18	Sunday
2	8-Jan-18	
	9-Jan-18	
	10-Jan-18	
	11-Jan-18	Thermodynamic Probability, Distribution of particles (2,3)
	12-Jan-18	Constraints, Statistical Fluctuations
	13-Jan-18	Important results on Probability, Phase Space
	14-Jan-18	Sunday
3	15-Jan-18	
	16-Jan-18	
	17-Jan-18	
	18-Jan-18	Postulates of Statistical Physics, Phase Space cell
	19-Jan-18	Occupation Index, Expression for Probability
	20-Jan-18	Stirling (Approx.), Condition of Equilibrium
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Entropy and Probability
	26-Jan-18	Republic Day
	27-Jan-18	β Parameter, three kinds of statistics
	28-Jan-18	Sunday
	29-Jan-18	
5	30-Jan-18	
	31-Jan-18	

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Week	Date	Topics
1	1-Feb-18	Basic Approach in these Statistics
	2-Feb-18	Numericals on Probability
	3-Feb-18	Test on Entropy and Boltzmann Statistics
	4-Feb-18	Sunday
2	5-Feb-18	
	6-Feb-18	
	7-Feb-18	
	8-Feb-18	Introduction on Quantum Statistics
	9-Feb-18	Bose-Einstein Statistics
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	
	13-Feb-18	Maha Shivratri
	14-Feb-18	
	15-Feb-18	Numericals on B.E. Statistics
	16-Feb-18	Test on B.E. Statistics
	17-Feb-18	Black Body Radiations
	18-Feb-18	Sunday
4	19-Feb-18	
	20-Feb-18	
	21-Feb-18	
	22-Feb-18	Applications of B.E. Statistics to Planck's Radiation Law
	23-Feb-18	Bose-Einstein Gas
	24-Feb-18	B.E. Gas (Continued)
	25-Feb-18	Sunday
5	26-Feb-18	
	27-Feb-18	
	28-Feb-18	

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Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Numericals on Bose-Einstein Gas
	4-Mar-18	Sunday
2	5-Mar-18	
	6-Mar-18	
	7-Mar-18	
	8-Mar-18	Test on Bose-Einstein Gas
	9-Mar-18	Maxwell-Boltzmann Distribution (Limiting Case)
	10-Mar-18	Degeneracy
	11-Mar-18	Sunday
3	12-Mar-18	
	13-Mar-18	
	14-Mar-18	
	15-Mar-18	Degeneracy (continued)
	16-Mar-18	Numericals on Degeneracy
	17-Mar-18	Bose-Einstein Condensation
	18-Mar-18	Sunday
	4	19-Mar-18
20-Mar-18		
21-Mar-18		
22-Mar-18		B.E. Condensation (continued)
23-Mar-18		Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
24-Mar-18		Numerical Problems
25-Mar-18		Sunday/ Ram Navami
5		26-Mar-18
	27-Mar-18	
	28-Mar-18	
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Fermi-Dirac Statistics
	31-Mar-18	Fermi-Dirac Statistics (continued)

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Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	
	3-Apr-18	
	4-Apr-18	
	5-Apr-18	Numericals on F.D. Statistics
	6-Apr-18	Fermi-Dirac Gas
	7-Apr-18	F.D. Gas (continued)
	8-Apr-18	Sunday
2	9-Apr-18	
	10-Apr-18	
	11-Apr-18	
	12-Apr-18	Fermi Energy
	13-Apr-18	Test on B.E. Condensation
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
	3	16-Apr-18
17-Apr-18		
18-Apr-18		Parashurama Jayanti
19-Apr-18		Degeneracy of Fermi Gas
20-Apr-18		Electron Gas in metals
21-Apr-18		Specific heat anomaly of metals & its solution
22-Apr-18		Sunday
4		23-Apr-18
	24-Apr-18	
	25-Apr-18	
	26-Apr-18	Comparison of M-B, B-E and F-D. Statistics
	27-Apr-18	Numericals on F.D. Statistics
	28-Apr-18	Test on F.D. Statistics