Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant /Associate Professor Dr. RAJEEV
Class and Section : M.Sc. Previous
Subject : Physical Chemistry Paper

Week 1(January 1-6)	
Chapter 1	
01/01/2018	Winter Break
02/01/2018	S.W.E for 3-D box
03/01/2018	concept of degeneracy.
04/01/2018	S.W.E. for Harmonic oscillator.
05/01/2018	Zero point energy.
06/01/2017	S.W.E. for rigid rotator.
Week 2(January 8-13)	
Chapter	
08/01/2018	S.W.E. for H-atom
09/01/2018	Separation of variable in polar cordinates.
10/01/2018	Quantum no.
11/01/2018	Quantum no.s and their values.
12/01/2018	Radial distribution
13/01/2018	Shape of atomic orbital.
Week 3(January 15-20)	
Chapter	
15/01/2018	Thermodynamic - Classius - clayperon eqn.
16/01/2018	"
17/01/2018	Third law of thermodynamics
18/01/2018	"
19/01/2018	"
19/01/2018	"
20/01/2018	Phase diagrams
Week 4(January22-27)	
Chapter	
22/01/2018	National Holiday
23/01/2018	Eutectics system.
24/01/2018	System forming solid compounds
25/01/2018	Phase diagrams
26/01/2018	"

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27/01/2018	"
Week 5 (January29- Feb3)	
Chapter	
29/01/2018	"
30/01/2018	"
31/01/2018	Phase diagrams and thermodynamic treatment
01/02/2018	"
02/02/2018	"
03/02/2018	"
Week 6(Feb 5-10)	
Chapter	
05/02/2018	Chain reaction - Hydrogen - Bromine
06/02/2018	"
07/02/2018	Pyrolysis of acetaldehyde
08/02/2018	decomposition of ethane
09/02/2018	"
10/02/2018	Photochemical reaction.
Week 7(Feb 12-17)	
Chapter	
12/02/2017	Hydrogen bromine reaction
13/02/2017	National Holiday
14/02/2017	Hydrogen - chlorine reaction.
15/02/2017	General treatment of reaction
16/02/2017	"
17/02/2017	"
Week 8(Feb 19-24)	
Chapter	
19/02/2018	Minor - I
20/02/2018	Minor - II
21/02/2108	Minor - III
22/02/2018	Apparent activation energy of chain reaction.
23/02/2018	Rice - Herzfeld mechanism of
24/02/2018	organic molecules.
Week 9(Feb 26-March03)	
Chapter	
26/02/2018	"
27/02/2018	"
28/02/2018	National Holiday
01/03/2018	Holi Break

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02/03/2018	Holi Break
03/03/2018	Holi Break
Week 10(March 5-10)	
Chapter	
05/03/2018	Branching chain rxn.
06/03/2018	$H_2 - O_2$ explosion rxn.
07/03/2018	"
08/03/2018	Kinetics of enzymatic rxn:
09/03/2018	Michaelis - menton treatment.
10/03/2018	"
Week 11(March 12-17)	
Chapter	
12/03/2018	Minor II will be conducted
13/03/2018	Minor II will be conducted
14/03/2018	Minor II will be conducted
15/03/2018	Evaluation of Michaelis constant
16/03/2018	for enzyme - substrate binding by
17/03/2018	Linewaver - Burk and Eadie - Hoffstee
Week 12(March 19-24)	
Chapter	
19/03/2018	"
20/03/2018	"
21/03/2018	"
22/03/2018	Competitive inhibition
23/03/2018	National Holiday.
24/03/2018	"
Week 13(March 26-31)	
Chapter	
26/03/2018	Non-competitive inhibition.
27/03/2018	"
28/03/2018	Section - D - Ionic movement
29/03/2018	under the influence of Electric
30/03/2018	field
31/03/2018	"
Week 14(April 02-07)	
Chapter	
02/04/2018	Mobility of ions and its relation.
03/04/2018	"
04/04/2018	"

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05/04/2018	"
06/04/2018	Stokes - Einstein relation
07/04/2018	
Week 15(April 09-14)	
Chapter	
09/04/2018	Nernst - Einstein equation
10/04/2018	"
11/04/2018	Walden rule
12/04/2018	Rate process approach to ionic migration.
13/04/2018	Total driving for ionic - transport
14/04/2018	Nernst - Planck flux.
Week 16(April 16-21)	
Chapter	
16/04/2018	ionic drift and diffusion potential
17/04/2018	onsager phenomenological eqn.
18/04/2018	The basic eqn for diffusion.
19/04/2018	"
20/04/2018	Planck - Henderson eqn.
21/04/2018	
Week 17(April 23-28)	
Chapter	
23/04/2017	Test of unit - I
24/04/2017	" Revision.
25/04/2017	Test of Unit - II
26/04/2017	"
27/04/2017	" - III
28/04/2018	Test of unit - IV
Week 18(April 29-30)	
Chapter	
30/04/2018	Test of complete syllabus.

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