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

Name of Assistant /Associate Professor : JYOTI
Class and Section : MSC. PHYSICS. SEM II nd
Subject : Physics of Laser and Laser Application

Week 1(January 1-6)	
Chapter 1	UNIT-I
01/01/2018	Laser Characteristics : Spontaneous
02/01/2018	and Stimulated Emission, Absorption
03/01/2018	Laser Idea
04/01/2018	Pumping Schemes
05/01/2018	Properties of Laser : Directionality
06/01/2017	Brightness
Week 2(January 8-13)	
Chapter	
08/01/2018	Test
09/01/2018	Monochromaticity
10/01/2018	Coherence.
11/01/2018	Radiation Trapping
12/01/2018	Superradiance
13/01/2018	Superfluorescence
Week 3(January 15-20)	
Chapter	
15/01/2018	Test
16/01/2018	Amplified Spontaneous Emission
17/01/2018	Non-radiative decay
18/01/2018	Review and Problem
19/01/2018	Review and Problem
~~19/01/2018~~	
20/01/2018	Test
Week 4(January 22-27)	
Chapter	
22/01/2018	Vasant Panchmi
23/01/2018	Review
24/01/2018	Sir Chotu Ram Jayanti
25/01/2018	Review and Problem
26/01/2018	Republic day

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UNIT-II

27/01/2018	Introduction of Unit - II
Week 5 (January29- Feb3)	
Chapter	
29/01/2018	Pumping Process : Optical Pumping
30/01/2018	"
31/01/2018	Pumping Efficiency
01/02/2018	Electrical Pumping
02/02/2018	"
03/02/2018	Pumping Efficiency
Week 6(Feb 5-10)	
Chapter	
05/02/2018	Test
06/02/2018	Passive optical Resonator
07/02/2018	"
08/02/2018	"
09/02/2018	"
10/02/2018	"
Week 7(Feb 12-17)	
Chapter	
12/02/2017	Rate eq^n
13/02/2017	Mahashivratri
14/02/2017	Four-level Laser
15/02/2017	"
16/02/2017	3-level Laser
17/02/2017	"
Week 8(Feb 19-24)	
Chapter	
19/02/2018	Test
20/02/2018	Method of Q-switching :
21/02/2108	Electro Optical Shutter
22/02/2018	Mechanical Shutter
23/02/2018	Revision
24/02/2018	Revision
Week 9(Feb 26-March03)	
Chapter	
26/02/2018	Acousto-Optic Switches
27/02/2018	Revicw
28/02/2018	Holiday
01/03/2018	Holiday

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02/03/2018	Holiday
03/03/2018	Holiday
Week 10(March 5-10)	
Chapter	
05/03/2018	Review and Problem
06/03/2018	Mode locking
07/03/2018	Test
08/03/2018	Test
09/03/2018	UNIT-III : Introduction
10/03/2018	"
Week 11(March 12-17)	
Chapter	
12/03/2018	Ruby Laser
13/03/2018	"
14/03/2018	Nd-Yag Laser
15/03/2018	"
16/03/2018	N_2 laser
17/03/2018	"
Week 12(March 19-24)	
Chapter	
19/03/2018	Test
20/03/2018	Dye-Laser
21/03/2018	"
22/03/2018	Review and Problem
23/03/2018	Shaheedi Diwas
24/03/2018	
Week 13(March 26-31)	
Chapter	
26/03/2018	Semiconductor Laser
27/03/2018	"
28/03/2018	"
29/03/2018	Mahavir Jayanti
30/03/2018	Review and Problem
31/03/2018	Test
Week 14(April 02-07)	UNIT-IV : Introduction
Chapter	
02/04/2018	Multiphoton Photo Electric Effect
03/04/2018	"
04/04/2018	Two Photon Process

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05/04/2018	Two - Photon Process
06/04/2018	Three - Photon Process
07/04/2018	"
Week 15(April 09-14)	
Chapter	
09/04/2018	Test
10/04/2018	Multiphoton Process
11/04/2018	"
12/04/2018	Raman Scattering
13/04/2018	"
14/04/2018	Ambedkar Jayanti
Week 16(April 16-21)	
Chapter	
16/04/2018	Raman Scattering
17/04/2018	Review and Problem
18/04/2018	Parshu Ram Jayanti
19/04/2018	Stimulated Raman Effect
20/04/2018	"
21/04/2018	Test
Week 17(April 23-28)	
Chapter	
23/04/2017	Assignment on Application
24/04/2017	of Lasers
25/04/2017	
26/04/2017	
27/04/2017	
28/04/2018	
Week 18(April 29-30)	
Chapter	
30/04/2018	

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