

# Saraswati Mahila Mahavidyalaya, Palwal

## Lesson Plan :

Name of the Assistant/Associate Professor:- SHIKHA MAURYA

Class and Section: M.Sc (Phy) 2<sup>nd</sup> sem, M.Sc (Phy) 4<sup>th</sup> sem, B.Sc-I<sup>st</sup> (NOM)

Name of subject: - Physics of Laser and Laser Application, Nuclear and Particle Physics.

Subject Lesson Plan : 18 weeks (from January 2018 to April 2018)

(Note: Prepare as per list of holidays declared by Haryana govt.)

WEEK 1
ASSIGNMENT:
WEEK 1, DAY 1, DATE : 01/01/2018 (MONDAY)
M.Sc (2 <sup>nd</sup> sem) : → Meaning of Laser and characteristics.
M.Sc (2 <sup>nd</sup> sem) Practical : → Study the B-H curve for a given sample using CRO (Demonstration)
WEEK 1, DAY 2, DATE : 02/01/2018 (TUESDAY)
M.Sc (2 <sup>nd</sup> sem) : → Explain Spontaneous and Stimulated Emission, Absorption.
M.Sc (2 <sup>nd</sup> sem) Practical : → Study the B-H curve (performed by student)
WEEK 1, DAY 3, DATE : 03/01/2018 (WEDNESDAY)
M.Sc (2 <sup>nd</sup> sem) : → Pumping Schemes, Laser Sola.
M.Sc (2 <sup>nd</sup> sem) Practical : → Study of B-H (curve) (Calculation & Result)
WEEK 1, DAY 4, DATE : 04/01/2018 (THURSDAY)
M.Sc (4 <sup>th</sup> sem) : → Concept & Introduction of elementary particle (UNIT-4 <sup>th</sup> )
WEEK 1, DAY 5, DATE : 05/01/2018 (FRIDAY)
Holiday on account of Guru Govind Singh's Birthday
WEEK 1, DAY 6, DATE : 06/01/2018 (SATURDAY)

M.Sc - 4th sem :-> Interaction in nature: Gravitational, E-m, weak & strong.

B.Sc (2nd sem) (Prac.) :-> 'g' by Bar pendulum

WEEK 2

ASSIGNMENT:

WEEK 2, DAY 1, DATE : 08/01/2018 (MONDAY)

M.Sc (2nd sem) :-> Properties of Laser Beams: Monochromaticity, coherence, Directionality, Brightness.

M.Sc 2nd sem :-> Heat capacity kit, determine heat cap. of solid (explain)

WEEK 2, DAY 2, DATE : 09/01/2018 (TUESDAY)

M.Sc (2nd sem) :-> Radiation Trapping Superadiance.

M.Sc (2nd sem) :-> determine heat cap. of solid (performed) (Lab)

WEEK 2, DAY 3, DATE : 10/01/2018 (WEDNESDAY)

M.Sc (2nd sem) :-> Superfluorescence (Explanation in brief)

M.Sc (2nd sem) :-> determine heat cap. of solid (Calculation & Result)

WEEK 2, DAY 4, DATE : 11/01/2018 (THURSDAY)

M.Sc (4th sem) :-> Classification of elementary particles. (Explain)  
-> leptons, Hadrons.

WEEK 2, DAY 5, DATE : 12/01/2018 (FRIDAY)

M.Sc (4th sem) :-> Classification of elementary particle -> mesons & baryons (explain in brief)

B.Sc (2nd sem) (Prac.) :-> 'g' by Bar pendulum

WEEK 2, DAY 6, DATE : 13/01/2018 (SATURDAY)

M.Sc (4th sem) :-> conservation law of elementary particles.

B.Sc (2nd sem) (Prac.) :-> 'g' by Bar pendulum

WEEK 3

ASSIGNMENT:

WEEK 3, DAY 1, DATE : 15/01/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Non-radiative delay.

M.Sc (2<sup>nd</sup> sem) :- Verify the existence of diff harmonic & Amplitude. (perform)  
(Lab)

WEEK 3, DAY 2, DATE : 16/01/2018 (TUESDAY)

M.Sc (2<sup>nd</sup> sem) :- Revise and Assignment of 1st unit.

M.Sc (2<sup>nd</sup> sem) :- Verify the existence of diff harmonic & Amplitude (perform)  
(Lab)

WEEK 3, DAY 3, DATE : 17/01/2018 (WEDNESDAY)

M.Sc (2<sup>nd</sup> sem) :- Pumping Process (explain & define in detail)  
(Lab)

M.Sc (2<sup>nd</sup> sem) :- Verify the existence of diff harmonic & Amplitude (Result)

WEEK 3, DAY 4, DATE : 18/01/2018 (THURSDAY)

M.Sc (4<sup>th</sup> sem) :- Explain Baryon, Lepton and Muon number,

WEEK 3, DAY 5, DATE : 19/01/2018 (FRIDAY)

M.Sc (4<sup>th</sup> sem) :- Explain strangeness and Hypercharge.

B.Sc (2<sup>nd</sup> sem) frac :- Modulus of rigidity. by Maxwell Needle

WEEK 3, DAY 6, DATE : 20/01/2018 (SATURDAY)

M.Sc (4<sup>th</sup> sem) :- Gellman-Nishijima formula (expression)

B.Sc (2<sup>nd</sup> sem) frac :- Modulus of rigidity by Maxwell Needle

WEEK 4

ASSIGNMENT:

WEEK 3, DAY 1, DATE : 22/01/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Types of Pumping Process - optical & electrical.

M.Sc (2<sup>nd</sup> sem) :- To determine Stefan's const. by Black copper<sup>3</sup> radiation plates  
(Lab)

<b>Holiday on account of Basant Panchmi.</b>	
WEEK 4, DAY 2, DATE :23/01/2018(TUESDAY)	
M.Sc (2 <sup>nd</sup> sem)	:→ efficiency of optical & electrical pumping
M.Sc (2 <sup>nd</sup> sem) (Lab)	:→ To determine Stefan's const. by black coffer radiation plates.
WEEK 4, DAY 3, DATE :24/01/2018(WEDNESDAY)	
<b>Holiday on account of Sir Chotu Ram Jayanti.</b>	
WEEK 4, DAY 4, DATE :25/01/2018(THURSDAY)	
M.Sc (4 <sup>th</sup> sem)	:→ explain - Quark Model (up & down)
WEEK 4, DAY 5, DATE :26/01/2018(FRIDAY)	
<b>Holiday on account of Republic Day.</b>	
WEEK 4, DAY 6, DATE :27/01/2018(SATURDAY)	
M.Sc (4 <sup>th</sup> sem)	:→ SU(2) and SU(3) symmetries.
B.Sc (2 <sup>nd</sup> sem) (prac)	:→ Modulus of rigidity by Maxwell's needle.
WEEK 5	
ASSIGNMENT:	
WEEK 5, DAY 1, DATE :29/01/2018(MONDAY)	
M.Sc (2 <sup>nd</sup> sem)	:→ passive optical Resonators.
M.Sc (2 <sup>nd</sup> sem) (Lab)	:→ To determine Boltzmann const. (k) make use of black body radiation.
WEEK 5, DAY 2, DATE :30/01/2018(TUESDAY)	
M.Sc (2 <sup>nd</sup> sem)	:→ Rate equation (Introduction)
M.Sc (2 <sup>nd</sup> sem) (Lab)	:→ do —————
WEEK 5, DAY 3, DATE :31/01/2018(WEDNESDAY)	
<b>Holiday on account of Guru Ravi Dass Jayanti</b>	
WEEK 5, DAY 4, DATE :01/02/2018(THURSDAY)	
M.Sc (4 <sup>th</sup> sem)	:→ Properties of subatomic particles.

WEEK 5, DAY 5, DATE :02/02/2018(FRIDAY)

M.Sc (4th sem) :- Charge conjugation, Time reversal.

B.Sc (2nd sem) Prac :- Modulus of Rigidity by Maxwell Needle

WEEK 5, DAY 6, DATE :03/02/2018(SATURDAY)

M.Sc (4th sem) :- Review & Assignment of above unit.

B.Sc (2nd sem) Prac :- Elastic const. by Searle Method.

WEEK 6

ASSIGNMENT:

WEEK 6, DAY 1, DATE :05/02/2018(MONDAY)

M.Sc (2nd sem) :- Explain rate equation (one-level, two level)

M.Sc (2nd sem) :- Determination of dissociation energy of iodine molecule. (discuss)  
(Lab)

WEEK 6, DAY 2, DATE :06/02/2018(TUESDAY)

M.Sc (2nd sem) :- Explain rate equation (Three level, four level)

M.Sc (2nd sem) :- Determination of dissociation energy of iodine molecule. (perform)  
(Lab)

WEEK 6, DAY 3, DATE :07/02/2018(WEDNESDAY)

M.Sc (2nd sem) :- Method of Q-switching.

M.Sc (2nd sem) :- Determination of dissociation energy of iodine molecule (Result & Calculation)  
(Lab)

WEEK 6, DAY 4, DATE :08/02/2018(THURSDAY)

M.Sc (4th sem) :- The deuteron - binding energy. (UNIT-1st)

WEEK 6, DAY 5, DATE :09/02/2018(FRIDAY)

M.Sc (4th sem):  $\rightarrow$  dipole moment quadrupole moment and the evidence of non-central force.

B.Sc (2nd sem) Prac:  $\rightarrow$  elastic const. by Searls method.

WEEK 6, DAY 6, DATE : 10/02/2018 (SATURDAY)

**Holiday on account of Maharshi Dayanand Saraswati Jayanti.**

WEEK 7

ASSIGNMENT:

WEEK 7, DAY 1, DATE : 12/02/2018 (MONDAY)

M.Sc (2nd sem):  $\rightarrow$  Electro optical shutter & Mechanical shutter.

M.Sc (2nd sem):  $\rightarrow$  To study the ckt of JFET  
(lab) (explain)

WEEK 7, DAY 2, DATE : 13/02/2018 (TUESDAY)

**Holiday on account of Maha Shivaratri.**

WEEK 7, DAY 3, DATE : 14/02/2018 (WEDNESDAY)

M.Sc (2nd sem):  $\rightarrow$  Acousto-optic Q-switches.

M.Sc (2nd sem):  $\rightarrow$  To study the ckt of JFET  
(lab) (perform & verify result)

WEEK 7, DAY 4, DATE : 15/02/2018 (THURSDAY)

M.Sc (4th sem):  $\rightarrow$  Spin dependence of nuclear force.

WEEK 7, DAY 5, DATE : 16/02/2018 (FRIDAY)

M.Sc (4th sem):  $\rightarrow$  Nucleon-Nucleon scattering (p-p, n-p)

B.Sc (2nd sem) Prac:  $\rightarrow$  elastic const. by Searls method.

WEEK 7, DAY 6, DATE : 17/02/2018 (SATURDAY)

M.Sc (4th sem) :- S-wave effective range theory.

B.Sc (2nd sem) Prac :- Elastic const- by Sears Method.

WEEK 8

ASSIGNMENT:

WEEK 8, DAY 1, DATE : 19/02/2018 (MONDAY)

M.Sc (2nd sem) :- explain mode locking.

M.Sc (2nd sem) :- To study the frequency response RC coupled Amplifier. (explain)

WEEK 8, DAY 2, DATE : 20/02/2018 (TUESDAY)

M.Sc (2nd sem) :- Types of mode locking.

M.Sc (2nd sem) :- To study the frequency response RC coupled Amplifier. (performed)

WEEK 8, DAY 3, DATE : 21/02/2018 (WEDNESDAY)

M.Sc (2nd sem) :- Q-switching - spiking (explain & discuss)

M.Sc (2nd sem) :- To study the frequency response RC coupled Amplifier (Result)

WEEK 8, DAY 4, DATE : 22/02/2018 (THURSDAY)

M.Sc (4th sem) :- charge independence and charge symmetry.

WEEK 8, DAY 5, DATE : 23/02/2018 (FRIDAY)

M.Sc (4th sem) :- Iso-skin formulation.

B.Sc (2nd sem) :- Surface Tension by Jeager's method.

WEEK 8, DAY 6, DATE : 24/02/2018 (SATURDAY)

M.Sc (4th sem) :- Revise & giving Assignment (A)

B.Sc (2<sup>nd</sup> sem) :- Surface Tension by Jaeger's method.

WEEK 9

ASSIGNMENT:

WEEK 9, DAY 1, DATE : 26/02/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Revise & giving Assignment.

M.Sc (2<sup>nd</sup> sem) :- To determine the resistivity of semiconductor  
(lab) (Ge) by four probe method.

WEEK 9, DAY 2, DATE : 27/02/2018 (TUESDAY)

M.Sc (2<sup>nd</sup> sem) :- Test of 1<sup>st</sup> unit.

M.Sc (2<sup>nd</sup> sem) :- To determine the resistivity of Ge by  
(lab) four probe method.

WEEK 9, DAY 3, DATE : 28/02/2018 (WEDNESDAY)

**VACATION -II**

WEEK 9, DAY 4, DATE : 01/03/2018 (THURSDAY)

**VACATION -II**

WEEK 9, DAY 5, DATE : 02/03/2018 (FRIDAY)

**VACATION -II**

WEEK 9, DAY 6, DATE : 03/03/2018 (SATURDAY)

**VACATION -II**

WEEK 10

ASSIGNMENT:

WEEK 10, DAY 1, DATE : 05/03/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Explain & discuss types of Laser.

M.Sc (2<sup>nd</sup> sem) :- To determine the resistivity of Ge by  
(lab) four probe method.



<b>WEEK 10, DAY 2, DATE :06/03/2018(TUESDAY)</b>
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Ruby Laser (Principle, Construction, working)
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Astable, Monostable & bistable Multivibrators (Lab)
<b>WEEK 10, DAY 3, DATE :07/03/2018(WEDNESDAY)</b>
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Ruby Laser (Energy level diagram, Application)
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Multivibrator (performed) (Lab)
<b>WEEK 10, DAY 4, DATE :08/03/2018(THURSDAY)</b>
<u>M.Sc (4<sup>th</sup> sem)</u> :- Test of above unit (4 <sup>th</sup> unit)
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Multivibrator (Result) (Lab)
<b>WEEK 10, DAY 5, DATE :09/03/2018(FRIDAY)</b>
<u>M.Sc (4<sup>th</sup> sem)</u> :- Nuclear Models (Introduction of Topic) (2 <sup>nd</sup> unit)
<u>B.Sc (2<sup>nd</sup> sem) Prac</u> :- Surface Tension by Jeyes Method.
<b>WEEK 10, DAY 6, DATE :10/03/2018(SATURDAY)</b>
<u>M.Sc (4<sup>th</sup> sem)</u> :- Liquid drop Model.
<u>B.Sc (2<sup>nd</sup> sem)</u> :- Verification of inverse square law by Photo-cell
<b>WEEK 11</b>
<b>ASSIGNMENT:</b>
<b>WEEK 11, DAY 1, DATE :12/03/2018(MONDAY)</b>
<u>M.Sc (2<sup>nd</sup> sem)</u> :- N <sub>2</sub> Laser (Principle, Construction)
<u>M.Sc (2<sup>nd</sup> sem)</u> :- Ckt & Application of SCR
<b>WEEK 11, DAY 2, DATE :13/03/2018(TUESDAY)</b>
<u>M.Sc (2<sup>nd</sup> sem)</u> :- N <sub>2</sub> (Laser) :- Working, diagram, Application.

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Ckt & Application of SCR  
(Lab)

WEEK 11, DAY 3, DATE :14/03/2018(WEDNESDAY)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Dye laser (Principle, construction, diagram)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Ckt & Application of SCR.  
(Lab)

WEEK 11, DAY 4, DATE :15/03/2018(THURSDAY)

M.Sc (4<sup>th</sup> sem):  $\rightarrow$  Stability of Nuclei, fission.

WEEK 11, DAY 5, DATE :16/03/2018(FRIDAY)

M.Sc (4<sup>th</sup> sem):  $\rightarrow$  Evidence of shell structure, the shell model spin parity.

B.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Verification of inverse square law by photo-cell

WEEK 11, DAY 6, DATE :17/03/2018(SATURDAY)

M.Sc (4<sup>th</sup> sem):  $\rightarrow$  Mag. Moment in extreme single particle Model.

B.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Verification of inverse square law by photo-cell.

WEEK 12

ASSIGNMENT:

WEEK 12, DAY 1, DATE :19/03/2018(MONDAY)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Dye laser - (working & Application)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  To determine Planck's const. (h).  
(Lab)

WEEK 12, DAY 2, DATE :20/03/2018(TUESDAY)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  Semiconductor - Principle, construction, diagram)

M.Sc (2<sup>nd</sup> sem):  $\rightarrow$  To determine Planck's const (h).  
(Lab)

WEEK 12, DAY 3, DATE : 21/03/2018 (WEDNESDAY)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  Semiconductor - working & Application.

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  To determine Planck's const (h).  
(Lab)

WEEK 12, DAY 4, DATE : 22/03/2018 (THURSDAY)

M.Sc (4<sup>th</sup> sem) :-  $\rightarrow$  evidence of collective excitations, collective vibration of spherical liquid drop.

WEEK 12, DAY 5, DATE : 23/03/2018 (FRIDAY)

**Holiday on account of Shahidi diwas.**

WEEK 12, DAY 6, DATE : 24/03/2018 (SATURDAY)

M.Sc (4<sup>th</sup> sem) :-  $\rightarrow$  Revise & doubt of unit.

B.Sc (2<sup>nd</sup> sem) Prae :-  $\rightarrow$  frequency of A.C. Mains by sonometer using an electromagnet.

WEEK 13

ASSIGNMENT:

WEEK 13, DAY 1, DATE : 26/03/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  Seminar (PPT of students)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  To determine Planck's const (h)  
(Lab) (Result)

WEEK 13, DAY 2, DATE : 27/03/2018 (TUESDAY)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  Seminar (PPT of students)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  Study of emitter follower / darlington pair Amplifier model - Cozy  
(Lab)

WEEK 13, DAY 3, DATE : 28/03/2018 (WEDNESDAY)

M.Sc (2<sup>nd</sup> sem) :-  $\rightarrow$  Seminar (PPT of students).

M.Sc (2<sup>nd</sup> sem) :- Study of emitter follower / Darlington pair Amplifier mod-1 & 2.

WEEK 13, DAY 4, DATE : 29/03/2018 (THURSDAY)

**Holiday on account of Mahavir jayanti.**

WEEK 13, DAY 5, DATE : 30/03/2018 (FRIDAY)

M.Sc (4<sup>th</sup> sem) :- Introduction & define Nuclear decays, Nuclear reaction.

B.Sc (2<sup>nd</sup> sem) Pract :- Frequency of A.C Mains by Sonometer using an electromagnet.

WEEK 13, DAY 6, DATE : 31/03/2018 (SATURDAY)

M.Sc (4<sup>th</sup> sem) :-  $\alpha$ ,  $\beta$  &  $\gamma$  decays, selection rules.

B.Sc (2<sup>nd</sup> sem) Pract :- Frequency of A.C Mains by Sonometer using an electromagnet.

WEEK 14

ASSIGNMENT:

WEEK 14, DAY 1, DATE : 02/04/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Multi photo-electric effects (Explain & discuss)

M.Sc (2<sup>nd</sup> sem) :- ppt/ seminar  
(Lab)

WEEK 14, DAY 2, DATE : 03/04/2018 (TUESDAY)

M.Sc (2<sup>nd</sup> sem) :- Two photon, three-photon

M.Sc (2<sup>nd</sup> sem) :- ppt/ seminar  
(Lab)

WEEK 14, DAY 3, DATE : 04/04/2018 (WEDNESDAY)

M.Sc (2<sup>nd</sup> sem) :-> Multiphoton Process Raman scattering.

M.Sc (2<sup>nd</sup> sem) :-> ppt/ seminar  
(Lab)

WEEK 14, DAY 4, DATE :05/04/2018(THURSDAY)

M.Sc (4<sup>th</sup> sem) :-> Fermi's theory of beta decay, selection rules.

WEEK 14, DAY 5, DATE :06/04/2018(FRIDAY)

M.Sc (4<sup>th</sup> sem) :-> Composite half lines & Kevie plot formi.

B.Sc (2<sup>nd</sup> sem) Prae :-> Low resistance by Carey Foster Bridge with calibration

WEEK 14, DAY 6, DATE :07/04/2018(SATURDAY)

M.Sc (4<sup>th</sup> sem) :-> Gamow-Teller Transition

B.Sc (2<sup>nd</sup> sem) Prae :-> Low resistance by Carey Foster Bridge with calibration.

WEEK 15

ASSIGNMENT:

WEEK 15, DAY 1, DATE :09/04/2018(MONDAY)

M.Sc (2<sup>nd</sup> sem) :-> Stimulated Raman effect.

M.Sc (2<sup>nd</sup> sem) :-> ppt/ seminar  
(Lab)

WEEK 15, DAY 2, DATE :10/04/2018(TUESDAY)

M.Sc (2<sup>nd</sup> sem) :-> Application of Lasers: Physics, Chemistry

M.Sc (2<sup>nd</sup> sem) :-> ppt/ seminar  
(Lab)

<p><b>WEEK 15, DAY 3, DATE : 11/04/2018 (WEDNESDAY)</b></p> <p>M.Sc (2<sup>nd</sup> sem) Application of laser - Material working, optical communication.</p> <p><u>M.Sc (1<sup>st</sup> sem) :-</u> ppt/seminar (Lab)</p>
<p><b>WEEK 15, DAY 4, DATE : 12/04/2018 (THURSDAY)</b></p> <p><u>M.Sc (4<sup>th</sup> sem) :-</u> parity non-conservation in beta decay.</p>
<p><b>WEEK 15, DAY 5, DATE : 13/04/2018 (FRIDAY)</b></p> <p><u>M.Sc (4<sup>th</sup> sem) :-</u> Reaction cross-section, compound nuclear reaction &amp; direct reaction.</p> <p><u>B.Sc (2<sup>nd</sup> sem) prac :-</u> High resistance by substitution method</p>
<p><b>WEEK 15, DAY 6, DATE : 14/04/2018 (SATURDAY)</b></p> <p><b>Holiday on account of Vaisakhi &amp; Dr B.R. Ambedkar's Jayanti.</b></p>
<p><b>WEEK 16</b></p>
<p><b>ASSIGNMENT:</b></p>
<p><b>WEEK 16, DAY 1, DATE : 16/04/2018 (MONDAY)</b></p> <p><u>M.Sc (2<sup>nd</sup> sem) :-</u> Application of laser - Thermonuclear fusion.</p> <p><u>M.Sc (2<sup>nd</sup> sem) :-</u> ppt/seminar (Lab)</p>
<p><b>WEEK 16, DAY 2, DATE : 17/04/2018 (TUESDAY)</b></p> <p><u>M.Sc (2<sup>nd</sup> sem) :-</u> Application of laser - Holography &amp; Military.</p> <p><u>M.Sc (2<sup>nd</sup> sem) :-</u> ppt/seminar (Lab)</p>
<p><b>WEEK 16, DAY 3, DATE : 18/04/2018 (WEDNESDAY)</b></p>

**Holiday on account of Maharshi Pasuram Jayanti**

**WEEK 16, DAY 4, DATE :19/04/2018(THURSDAY)**

M.Sc (4th sem): → The Optical Model.

**WEEK 16, DAY 5, DATE :20/04/2018(FRIDAY)**

M.Sc (4th sem): → Breit-wigner Resonance formula for  $I_{20}$

B.Sc (2<sup>nd</sup> sem) Prac: → High resistance by substitution method.

**WEEK 16, DAY 6, DATE :21/04/2018(SATURDAY)**

M.Sc (4th sem): → Revise & giving Assignment of Unit.

B.Sc (2<sup>nd</sup> sem): → Revise all practical

**WEEK 17**

**ASSIGNMENT:**

**WEEK 17, DAY 1, DATE :23/04/2018(MONDAY)**

M.Sc (4<sup>th</sup> sem): → Revised & Assignment of 4<sup>th</sup> unit.

M.Sc (4<sup>th</sup> sem): → Revise practical  
(Lab)

**WEEK 17, DAY 2, DATE :24/04/2018(TUESDAY)**

M.Sc (4<sup>th</sup> sem): → Revision & discussion

M.Sc (4<sup>th</sup> sem) Revise practical  
(Lab)

**WEEK 17, DAY 3, DATE :25/04/2018(WEDNESDAY)**

M.Sc (4<sup>th</sup> sem): → Revision & discussion

M.Sc (4<sup>th</sup> sem): → Revise practical

WEEK 17, DAY 4, DATE : 26/04/2018 (THURSDAY)

M.Sc (4th sem) :- Revision & discussion

WEEK 17, DAY 5, DATE : 27/04/2018 (FRIDAY)

M.Sc (4th sem) :- Revision & discussion

B.Sc (2<sup>nd</sup> sem) :- Revise all practical

WEEK 17, DAY 6, DATE : 28/04/2018 (SATURDAY)

M.Sc (4th sem) :- Revision & discussion

B.Sc (2<sup>nd</sup> sem) :- Revise all practical

WEEK 18

ASSIGNMENT:

WEEK 18, DAY 1, DATE : 30/04/2018 (MONDAY)

M.Sc (2<sup>nd</sup> sem) :- Revision & discussion

M.Sc (2<sup>nd</sup> sem) :- Revise practical.  
(Lab)

~~Shirley~~