

**Annual Plan 2018-19 (FIRST TERM)**

**Class:** *B.Sc. I Sem I*

**Subject:** *Physics*

**Title of Paper:** *Heat and Thermodynamics*

**Course Code:** U-PHY-136

**Name of the Teacher:** *Dr. Dayanand V. Raje*

**Signature:** \_\_\_\_\_

1	2	3		4		5		
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1.	<i>Transport Phenomena in Gases</i>	<i>11</i>	<i>2/7/18</i>	<i>25/7/18</i>				
2.	<i>Behavior Of Real Gases</i>	<i>11</i>	<i>30/7/18</i>	<i>28/8/18</i>				
3.	<i>Thermodynamics</i>	<i>12</i>	<i>29/8/18</i>	<i>19/9/18</i>				
4.	<i>Thermo-dynamical Relations</i>	<i>11</i>	<i>24/9/18</i>	<i>30/10/18</i>				

**Note :** 1) Prepare teaching plan as per the academic calendar.

2) Fill the column No. 4 after teaching the components/sub-components of curriculum.

3) Write the cause in remark; if there is more than 5% difference in planning and

**Annual Plan 2018-19 (FIRST TERM)**

**Class:** *M. Sc. I Sem I*

**Subject:** *Physics (Photonics)*

**Title of Paper:** *Mathematical Methods in Physics*

**Course Code :** P-MMP-119

**Name of the Teacher:** *Dr. Dayanand V. Raje*

**Signature:** \_\_\_\_\_

1	2	3			4			5
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1.	<i>Matrix Algebra and Eigen Value Problems</i>	15	25/6/18	2/8/18				
2.	<i>Partial Differential Equation</i>	15	3/8/18	30/8/18				
3.	<i>Calculus Of Residues</i>	15	13/3/21	31/3/21				
4.	<i>Fourier Series</i>	15	1/4/21	25/4/21				

**Note :** 1) Prepare teaching plan as per the academic calendar.

2) Fill the column No. 4 after teaching the components/sub-components of curriculum.

3) Write the cause in remark; if there is more than 5% difference in planning and implementation.

**Annual Plan 2018-19 (FIRST TERM)**

**Class:** M.Sc. II Sem III

**Subject:** *Physics (Photonics)*

**Title of Paper:** *Nuclear and Particle Physics*

**Course Code:** P-NPP-322

**Name of the Teacher:** *Dr. Dayanand V. Raje*

**Signature:** \_\_\_\_\_

1	2	3			4			5
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1	<i>Static Properties Of Nuclei and Nuclear Reactions</i>	15	26/6/18	14/7/18				
2	<i>Nuclear Models</i>	15	20/7/18	16/8/18				
3	<i>Detection Of Nuclear Radiations and Charged Particle Accelerators</i>	15	23/8/18	21/9/18				
4	<i>Particle Physics</i>	15	23/9/18	4/10/18s				

**Note :** 1) Prepare teaching plan as per the academic calendar.

2) Fill the column No. 4 after teaching the components/sub-components of curriculum.

3) Write the cause in remark; if there is more than 5% difference in planning and implementation.

**Annual Plan 2018-19 (SECOND TERM)**

**Class:** *B.Sc. II Sem IV*

**Subject:** Physics

**Title of Paper:** *Nuclear Physics and Relativity*

**Course Code:** U-PHY-435

**Name of the Teacher:** *Dr. Dayanand V. Raje*

**Signature:** \_\_\_\_\_

1	2	3			4			5
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1.	<i>The Nucleus</i>	10	3/12/18	25/12/18				
2.	<i>Peaceful use Of Nuclear Energy</i>	12	26/12/18	22/1/19				
3.	<i>Radioactivity</i>	12	23/1/19	20/2/19				
4.	<i>Special Theory Of Relativity</i>	11	25/2/19	20/3/19				

**Annual Plan 2018-19 (SECOND TERM)**

**Class:** *B.Sc. III Sem VI*

**Subject:** *Physics*

**Title of Paper:** *Atomic Molecular and Statistical Physics*

**Name of the Teacher:** *Dr. Dayanand V. Raje*

**Signature:** \_\_\_\_\_

1	2	3			4			5
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1.	<i>Atomic Spectra</i>	12	25/2/21	25/3/21				
2.	<i>Molecular Spectroscopy</i>	11	26/3/21	17/4/21				
3.	<i>Maxwell-Boltzmann Statistics</i>	12	22/4/21	20/5/21				
4.	<i>Quantum Statistics</i>	10	21/5/21	31/5/21				

**Annual Plan 2018-19 (SECOND TERM)**

**Class: M.Sc. I Semester: II**

**Subject: Physics**

**Title of Paper: Atomic and Molecular Spectroscopy**

**Course Code: P-AMP-219**

**Name of the Teacher: Dr. Dayanand V. Raje**

**Signature: \_\_\_\_\_**

1	2	3			4			5
Sr. No.	Components/Sub-Components of the Curriculum	Required Lectures	Duration		Actual Lectures	Duration		Remark
			From	To		From	To	
1.	Atomic Spectroscopy	15	5/12/18	28/12/18				
2.	Rotational and Vibrational Spectroscopy	15	29/12/18	24/1/19				
3.	Raman and Electronic Spectroscopy	15	25/1/19	22/2/19				
4.	Resonance Spectroscopy	15	26/2/19	20/3/19				