Lesson Plan

Name of the Assistant/ Associate Professor.... Neelam Gupta .....

Class and Section:..... BSc III Sec. I (1-6) ..... BSc I Sec I (3 days) (1-3)

Subject:..... Physics .....

Week	Date	Topics	
1	1-Jan-18	1.1. Historical introducing spectra	1.1. Elasticity
	2-Jan-18	— do —	1.2 "
	3-Jan-18	1.2 Review of Quantum theory	1.3 Hook's law
	4-Jan-18	— do —	1.4, 1.5 Stress, Strain
	5-Jan-18	— do — Bohr Sommerfeld theory	
	6-Jan-18	— do —	
	7-Jan-18	Sunday	
2	8-Jan-18	1.3 Space quantization	1.6, 1.7, 1.8, 1.9 elastic coff.
	9-Jan-18	— do —	1.10 Stress
	10-Jan-18	1.4 Magnetic moment of atom	1.11 Bulk Modulus Y, K —
	11-Jan-18	Problems of chapter	
	12-Jan-18	2.1 Gross structure of spectra	
	13-Jan-18	— do —	
	14-Jan-18	Sunday	
3	15-Jan-18	2.2. Penetrating & non penetrating orbits	1.12. Modulus of Rigidity
	16-Jan-18	— do —	1.13 Relation elastic Const
	17-Jan-18	2.3 Problems	1.14 "
	18-Jan-18	3.1. Vector Atom Model Introduction	~~1.15 Torsion/Couple~~
	19-Jan-18	3.1. " discussion	~~1.15 —do—~~
	20-Jan-18	3.1. — do —	
	21-Jan-18	Sunday	
4	22-Jan-18	Vasant Panchami	
	23-Jan-18	3.2. Fine Structure of Alkali spectra	1.15 Torsion / Couple
	24-Jan-18	Sir Chhotu Ram Jayanti	1.16 Bending of Beam 1.17
	25-Jan-18	3.3 Doublet fine structure	1.18 Cantilever
	26-Jan-18	Republic Day	
	27-Jan-18	3.3.1. Spin-orbit Interaction of electron	
	28-Jan-18	Sunday	
5	29-Jan-18	3.3.1 — do —	1.19 Cantilever
	30-Jan-18	3.4. — do —	1.20 1.21 "
	31-Jan-18	3.5. Problems	1.22 Deflection

Lesson Plan

Name of the Assistant/ Associate Professor... Neelam Gupta

Class and Section: BSc II sec II(1-6) ..... BSc I sec I (3 days) (1-3 Paper)

Subject: Physics Paper I & II

Week	Date	Topics
1	1-Feb-18	Test of Chapter 1 & 2 — 1.23 Stiffness of beam
	2-Feb-18	Test — 3 — 1.24, 1.25 Resilence
	3-Feb-18	4.1 LS-Coupling or Russel-Saunders coupling Problems
	4-Feb-18	Sunday
2	5-Feb-18	-do- — Test
	6-Feb-18	-do- — 2.1 kinetic theory of gases
	7-Feb-18	-do- — 2.2 -do-
	8-Feb-18	4.2 Pauli Principle. — 2.3 Expression of Pressure
	9-Feb-18	4.3 Spin - orbit interaction
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	-do- — 2.4 Mean & Temp.
	13-Feb-18	Maha Shivratri — 2.6 Phase space.
	14-Feb-18	-do- — 2.7, 2.8, 2.9 postulates
	15-Feb-18	4.4. jj coupling Scheme.
	16-Feb-18	4.4. -do-
	17-Feb-18	5.1. Zeeman effect.
	18-Feb-18	Sunday
4	19-Feb-18	-do- — 2.10 M.B Distribution law
	20-Feb-18	-do- — 2.11 M.B speed law
	21-Feb-18	5.2. Pascen-Back effect — 2.12 Discussion.
	22-Feb-18	5.3 Stark effect
	23-Feb-18	6.1. -do- Molecular spectra
	24-Feb-18	6.2. electronic states
	25-Feb-18	Sunday
5	26-Feb-18	6.3. Rotation spectra — 2.13. Most probable speed
	27-Feb-18	6.4. Vibrational spectra — 2.14 Mean speed 2.15, 2.16
	28-Feb-18	Holiday — 2.17 Stern Method, 2.18 Degree of freedom

Lesson Plan

Name of the Assistant/ Associate Professor..... Neelam Gupta .....

Class and Section:..... BSc(IT) Sec II (1-6) ..... B.Sc.I Lec I (1-3)

Subject:..... Physics Paper I & II ..... Paper I.

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Holiday
	4-Mar-18	Sunday
2	5-Mar-18	6.5. Nbraang rotaterModd 2.19. Speafic heat of gases
	6-Mar-18	6.6. Raman effect 2.22, 2.23, 2.24 Meanfree path
	7-Mar-18	6.7. electronic specra 2.26, 2.27 Bangpart pheroream
	8-Mar-18	6.8. Test of chapter
	9-Mar-18	7.1. Introduction of laser
	10-Mar-18	7.2. Properties of laser
	11-Mar-18	Sunday
3	12-Mar-18	—do—
	13-Mar-18	8.2. Einstein coefficients, 8.3 Monentumtransfer 2.27 Thermal conduction in gases,
	14-Mar-18	8.4. Life time. 8.5. Amplification 2.28. Diffusion of gases.
	15-Mar-18	8.6 Kinetics 8.7 Line shape fn. 2.9, 4
	16-Mar-18	9.1 Resonance cavity
	17-Mar-18	9.2 Threshold condition laserpump
	18-Mar-18	Sunday 10.1 Ruby Laser
4	19-Mar-18	10.1 Ruby Laser 2.31 Brownian motion
	20-Mar-18	10.2. HeNe Laser 2.33 Real gas behaviour
	21-Mar-18	10.2. " 2.4, 2.5 Vander waal eq. 2.6
	22-Mar-18	10.3. Semiconductor laser
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev 11.1. Non-Linear optics
	24-Mar-18	11.2. Holography, 11.3, 11.4, 11.5 Laser applications
	25-Mar-18	Sunday/ Ram Navami 1.1, 1.2, 1.3, 1.4, 1.5 Nuclear structure
5	26-Mar-18	1.6. Nuclear Stability 2.5, Test.
	27-Mar-18	1.7.1, 1.7.2 Size of Nucleus 2.9 & 2.10 Theory of relativity
	28-Mar-18	1.8 Nuclear Mass 3.4. Central forces
	29-Mar-18	Mahavir Jayanti do, 1.9 Spectroscopy 1.10. Problems 3.5
	30-Mar-18	2.1 Interaction of Nuclear radiation
	31-Mar-18	2.2 Interaction of charged particle with matter

Lesson Plan

Name of the Assistant/ Associate Professor..... Neelam Gupta .....

Class and Section:..... BSc II Sec II (1-6) ..... BSc I Sec I (1-3)

Subject:..... Physics Paper II & III ..... Paper I

Week	Date	Topics	
1	1-Apr-18	Sunday 2.3 Alpha disintegration	3.5 Galilean transformation 3.6, 3.7, 3.8
	2-Apr-18	2.4 Range and straggling particles	3.8 search for ether
	3-Apr-18	2.5 energetics of α-decay	3.9 Michelson Morley
	4-Apr-18	2.6 ——— β ———	
	5-Apr-18	2.7 Interaction of light charged particle	
	6-Apr-18	2.8 origin of Continuous β spectrum	
	7-Apr-18	2.9, 2.10 Beta decay	
	8-Apr-18	Sunday 2.11 energetics of γ-decay	
2	9-Apr-18	2.12 Absorption of γ ray, pair production, electron	3.10 special theory of Relativity
	10-Apr-18	2.13 emission, energy loss	3.11 Lorentz transformation
	11-Apr-18	2.14 2.15, 2.16 Range of electrons	3.12 Relativity of space
	12-Apr-18	2.17 Nature of γ rays	
	13-Apr-18	2.18 energetic of γ ray	
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi 2.19 Passage of γ ray	
	15-Apr-18	Sunday 2.19 Photo electric effect	
3	16-Apr-18	2.19.2 Compton effect, Pair production	3.13 Relativity of Mass
	17-Apr-18	2.20 electron-positron annihilation	3.14 ——— time
	18-Apr-18	Parashurama Jayanti 2.21. Absorption of γ rays	3.15 Twin paradox 3.16.
	19-Apr-18	2.22. Types of γ ray interactions	
	20-Apr-18	2.23 Applications	
	21-Apr-18	3.1. Nuclear reactions 3.2, 3.3, 3.4	
	22-Apr-18	Sunday 3.5 Nuclear Fission 3.6, 3.7, 3.8, 3.9	
4	23-Apr-18	3.10, 3.11, 3.12, 3.13, 3.14, 3.15 Nuclear reactors	3.17 energy management
	24-Apr-18	3.17, 3.18, 3.19 fusion.	3.18 Experimental Explanation
	25-Apr-18	3.20, 3.21, 3.22, 3.23 Accelerators	3.19 Test.
	26-Apr-18	4.1, 4.2, 4.3 Accelerators	
	27-Apr-18	Accelerators	
	28-Apr-18	do	