

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Physics

Topic	Link (Lecture notes /Power point)	Teacher	Topic	Link for Video
Unit III	https://drive.google.com/file/d/1JBuDsNaKnGy5gc0drGUdtGCEKTEQ9Cj/view?usp=sharing	Dr. W. S. Barde	B.sc I Information about Internal Assessment Marking System	https://drive.google.com/file/d/1JlCwRUCR5midxnHgRvcdH_L0Zlen3TQW/view?usp=sharing
Unit V	https://drive.google.com/file/d/1F-OETvWttkShj7g6tZEptFuYVyzSfngi/view?usp=sharing		B.sc I-Sem I Unit III Introduction to SHM: Equation of Displacement, velocity & Acceleration	https://drive.google.com/file/d/1IhF7dUz8xZaAZpfC9hXkNGGI4OvyOK/view?usp=sharing
			B.Sc. I Sem I Unit -III Compound Pendulum	https://drive.google.com/file/d/13Ii1bp_pUijiXFTci3t4c3dWY0cM00eA/view?usp=sharing
			BscI- Oscillating bar magnet	https://drive.google.com/file/d/1dT9syYmFEJ_uyYa2LZVEhKgea_Hnb_ve/view?usp=sharing
Sem V : History of an Atom	https://drive.google.com/file/d/1kEcgrlYfbxXAYOgFbgh6MvddH-T4JvOX/view?usp=sharing		B.sc III Vector Atom Model: Space Quantization & Electron Spin	https://drive.google.com/file/d/1yx8t-oTToQ6e-4Q4qwOXtgJR6o6Y6bAV/view?usp=sharing
Sem V : Vector Atom Model & Quantum Numbers	https://drive.google.com/file/d/1R2Cw404T-gY7zv4TZILROkmoxuSNhmr1/view?usp=sharing		B. sc III Stern Gerlach Experiment	https://drive.google.com/file/d/10Js1GDjoXubcLe8GE3gYStB_VsJ_Vihl/view?usp=sharing
Lecture Notes : Unit III	https://drive.google.com/file/d/1RgG4QZltNBw4p_TW2xZeaBz3zKlZ5bZ8/view?usp=sharing		B.sc III Stern Gerlach Experiment	https://drive.google.com/file/d/1arIxxwmOA_Nvwx6pXxY53tiFXWA1eya/view?usp=sharing

Lecture Notes : Unit IV	https://drive.google.com/file/d/1tsve5XVyetMzvzNgXznVfAjj9fl7y2vy/view?usp=sharing		B. Sc III Spin-Orbit Interaction and L-S Coupling Scheme	https://drive.google.com/file/d/1wAq97TpDI7K5Dj_oH6DqrLQ9dyziDHvB/view?usp=sharing
Msc II- Sem IV Unit-I	https://drive.google.com/file/d/1nbjWCq-LyWBImcAYqYK0E4bdEiJxW7P7/view?usp=sharing		B.sc III X-rays: Origin of continuous x-rays	https://drive.google.com/file/d/18eWkg1PKfiguWANL8-6JM9ymHcX_M2Us/view?usp=sharing
Msc II Sem IV Unit-II	https://drive.google.com/file/d/17q3A0MmM2LvhyGyzs4VBG7zhvn7EEeMq/view?usp=sharing	Dr W.S Barde	B.sc III Introduction to atomic and molecular spectroscopy	https://drive.google.com/file/d/18eWkg1PKfiguWANL8-6JM9ymHcX_M2Us/view?usp=sharing
Msc II-Sem IV Unit-III	https://drive.google.com/file/d/1YIFhdpKYVmUu_8VrKgLSiHIFI-uEA1iH/view?usp=sharing		B.sc III UV-Vis and NIR spectroscopy	https://drive.google.com/file/d/1E6eNShIXfcsW8rpSYbuv6SAJGWde6a/view?usp=sharing
MscII-Sem IV Unit-IV	https://drive.google.com/file/d/1FrYluYyNr1OVRcXqPDyYcFeoPAWzHGMK/view?usp=sharing		B.sc III Quantitative analysis of sample by UV-Vis spectroscopic technique	https://drive.google.com/file/d/18dYELMo-YEuFwQUqCM0g2e0N42r-fDeD/view?usp=sharing
MscII-Sem IV Unit-V	https://drive.google.com/file/d/1hQ9bk9aNI-NflwLiSzfMLwq3cyDujiti/view?usp=sharing			
1S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0			
			1S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0
2S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0	Dr. P.A. Nagpure	2S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0
3S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0		3S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0

4S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0		4S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0
Unit 1 Origin of quantum mechanics	https://drive.google.com/file/d/1jI89vUKRd5s8E6T8Gm-S5QrBqo7VfJdl/view?usp=sharing			
Unit 3 Atomic and molecular Physics	https://drive.google.com/file/d/1Kf8spHvB0uRHJH13SpWxIFf3GHXKpgtH/view?usp=sharing			
Unit 4 Nuclear Physics	https://drive.google.com/file/d/1I1TV1gjfVSRleHWTUsvOusxzj4M8jnPz/view?usp=sharing	Dr. P.A Nagpure		
Unit 4 Nuclear Physics	https://drive.google.com/file/d/1I1TV1gjfVSRleHWTUsvOusxzj4M8jnPz/view?usp=sharing			
6S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0		6S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0
Msc I- SemI Unit 1 Basic Quantum Mechanics	https://drive.google.com/file/d/1jI89vUKRd5s8E6T8Gm-S5QrBqo7VfJdl/view?usp=sharing			
Msc I-SemI Unit 2 Hermitian Operators, Dirac's Notation's, Hilbert Space	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing			
Msc-I Unit 3 Operator Method, Harmonic Oscillator,Hydrogen Atom	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing			
Msc-I Sem I Unit 4 Angular momentum	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing			

Msc -I sem-I Unit 5 Representatio n in QM and Approximatio n Methods	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0loobdaR7KG-so0/view?usp=sharing			
2PHY2: Quantum Mechanics-II	https://sites.google.com/view/pankajnagpure/lecture-notes/pg?authuser=0	Dr P .A Nagpure		
BJT	https://drive.google.com/file/d/1YilWbRsv150-TsOCkoszAyKsSih2ThAh/view?usp=sharing	Dr. N.N Sarkar		
Differential amplifier	https://drive.google.com/file/d/1DrX8cHJ8U0kKutq4zTJ0nKsGec0PN8A3/view?usp=sharing			
Semiconducto r Physics	https://drive.google.com/file/d/12frKpn1sITwAlxPytQjFz5wHJmgs_GE/view?usp=sharing			
Hall effect	https://drive.google.com/file/d/1r2xfDK_S3jRQRJRe-qiA7E2XyQW-lQG5/view?usp=sharing			
Semiconducto r diode	https://drive.google.com/file/d/1tV3DKdCBYx6c7ds5zkuGOMVXNOM0Cqxt/view?usp=sharing			
Motion of Rigid body	https://drive.google.com/file/d/1r5hIIBNOhkaYtSVFNHvNGAHLsHT4Qusm/view?usp=sharing			
Conservation of Linear Momentum	https://drive.google.com/file/d/1L8nn_tx-h-YB7FUUOliFVsx8wbqTRPMI/view?usp=sharing			
Angular Momentum	https://drive.google.com/file/d/10L69XmIvn6EUh5njAJ			

	w0m7Z4chc1Q5j4/view?usp=sharing			
Newton's Law	https://drive.google.com/file/d/1WGGwOuMlNaI3dISNQke7ElNm_uvsu8KR/view?usp=sharing			
Parallel axis theorem	https://drive.google.com/file/d/1oX2ymxnVbdrexudNuLFHcssB6wKcgL2W/view?usp=sharing			
Kepler's law	https://drive.google.com/file/d/1nh71HLQpjyqm2p04rcPDap2aW7EaLuE/view?usp=sharing			
			Structure of Solid And Importance of Miller Indices Part 01	https://youtu.be/SCxFase5f3E
		N. N . Sarkar	Structure of Solid And Importance of Miller Indices Part 02	https://youtu.be/svzIO1Y9UvY
			X-ray diffraction	https://youtu.be/9vIwj_F92F8
			Determination of Crystal Structure	
Elasticity	https://drive.google.com/file/d/1I9P1eFVc2bqIq2flxQbL0f3GYNs_ar1d/view?usp=sharing	Dr. A. B. Bodade		
Kinematics of moving fluid and surface tension	https://drive.google.com/file/d/1PWyfWfkTvhsWciJw5tGa7Q7n7m6EVJvl/view?usp=sharing			
Atmosphere and Geophysics	https://classroom.google.com/c/MTQ0MDMxNjcxODc5/m/Mjc1MDcwNzM2NDE5/details			
Special theory of relativity	https://drive.google.com/file/d/1yVXJTq0I5x0McyVTW0			

	aP4Yx5grHq591m/view?usp=sharing			
3 PHY-4(ii) : CONDENSED MATTER PHYSICS-I Unit -1	https://drive.google.com/file/d/15uStabM6U2xb72J7PkTQQqglARjuVHd/view?usp=sharing			
ED 1&2	https://drive.google.com/drive/folders/1tRB9oaAzHIXHh7fV5JVzEHpX8Ckmu_JC?usp=sharing	Dr S.S. Arsad		
Plasma Physics	https://drive.google.com/file/d/13ihHlLgw8pFws2b4dvQh_YmSzJQwQOle/view?usp=drivesdk			
	https://drive.google.com/file/d/1OZiXXZdlARfSd3SNmdTgMU9obQ8W3slO/view?usp=drivesdk			
	https://drive.google.com/file/d/13ihHlLgw8pFws2b4dvQh_YmSzJQwQOle/view?usp=drivesdk			
Simple Harmonic motion	https://drive.google.com/file/d/10c4l9b1qYuoQssYKXf6lra_-c69k-SvT/view?usp=sharing	Dr Radhika G Deshmukh	Oscillation and waves	https://youtu.be/_8tLO6yhzJs https://youtu.be/dlc-sqNDxG8
			Feedback in amplifier	https://drive.google.com/file/d/1JmLLWutZSnn-d6UEWutC5iEFAqrkBJ/view?usp=drivesdk
				https://drive.google.com/file/d/1PEwUrtehLKUele8nT6DHXRWffOSvYzS/view?usp=drivesdk
				https://drive.google.com/file/d/1Mib_a-sWEwAwB7Z5mQ2N4BcMQjOZdO5Y/view?usp=drivesdk
				https://youtu.be/JKxS6BNaMZs

			Msc II Sem-3 PHY-4(ii) : Con Matter	https://youtu.be/uzg4k1FGZfl
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Operational Amplifier (Lecture 1)	https://www.slideshare.net/vaishalideshmukh22/opamp-1-234551722	Dr. V.V. Deshmukh		
Operational Amplifier (Lecture 2)	https://www.slideshare.net/vaishalideshmukh22/opamp-2-234551859			
Feedback in Amplifier	https://www.slideshare.net/vaishalideshmukh22/feedback-in-amplifier			
Oscillators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-oscillators			
Multivibrators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-multivibrators			
MscII- Sem II Operational Amplifier	https://www.slideshare.net/vaishalideshmukh22/opamp-1-234551722			
Numericals on Special theory of relativity	https://classroom.google.com/w/MTQ0MDMxNjcxOTE5/tc/MjQ5MDI1MTY3NjYz	Miss. S. M. Butte		
Special theory of relativity	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5/p/MjQ4NzUzMwNjg0ODE3/details			
Nuclear Physics	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw/m/MjQ5MDQzMjM1NDcx/details			
Methods for determination of zeros of linear and nonlinear equations	https://classroom.google.com/c/MTcwMjYzNjIwODY5/m/Mjc0NzUzODMxOTE3/details	Miss S.M Butte		
Chapter-2: Magnetostatics and	https://www.slideshare.net/secret/uWqLbDV97bBB4W			

Maxwell's Equations		Dr. P. P. Khirade		
Chapter-1: Mathematical background and Electrostatics	https://www.slideshare.net/secret/xyjyNFhZyT971F			
Chapter-1: Origin of Quantum mechanics	https://www.slideshare.net/PankajKhirade1/origin-of-quantum-mechanics-chapter-1			
Chapter-2: Schrodinger - equation and its applications	https://www.slideshare.net/PankajKhirade1/schrodinger-equation-and-its-applications-chapter-2			
Msc -I Sem-I Classical Mechanics	https://www.slideshare.net/PankajKhirade1/classical-mechanicmsc			
Chapter 5 Hybrid paramete and Transistr Amplifier	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw/m/MjQ5MTgwMzA5MTk3/details	Dr. S. K. Sayyad		
Oscillator	https://docs.google.com/presentation/d/1NzeOMy3L6z0W1C63IGGIIPGSJUEBjEr/edit?usp=sharing&oid=100457994785883393538&rtpof=true&sd=true			
Multivibrators	https://docs.google.com/presentation/d/1QLRI2jYxbMPNCrm7EPYAC83vzuRCZHu/edit?usp=sharing&oid=100457994785883393538&rtpof=true&sd=true			
3 PHY -3 Atomic and molecular Physics Vector Atom Model	https://drive.google.com/file/d/1JfBWkvHCfyJdPZ0ubO3DEAWeCn8G5Zcs/view?usp=sharing https://drive.google.com/file/d/1r_DVEQOr_YFOpiZ2cP9MEk_JvdcEw_VEN/view?usp=sharing			