

Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Physics

B. Sc. Part – I (Semester – I)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. W. S. Barde	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
2	Dr. P.A. Nagpure	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
3	Dr. Swapnil S Arsad	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
4	Dr. Naresh N Sarkar	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
5	Dr. A.B. Bodade	https://classroom.google.com/c/MTQ0MDMxNjcxODE2?cjc=bij3rql	bij3rql
6	Dr. S.K. Sayyad	https://classroom.google.com/c/MTc0NzI5OTQwMTA4?cjc=53wj7ns	53wj7ns
7	Dr. Radhika G Deshmukh		
8.	Dipali P. Rathod		

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit III	https://drive.google.com/file/d/1JBuDsNaKnGy5gc0drGUDtGCEKTEQ_9Cj_/view?usp=sharing	Dr. W. S. Barde	Information about Internal Assessment Marking System	https://drive.google.com/file/d/1JICwRUCR5midxnHgRvcdH_L0Zlen3TQW/view?usp=sharing	Dr. W. S. Barde
Unit V	https://drive.google.com/file/d/1F-OETvWttkShj7g6tZEptFuYVyzSfngi/view?usp=sharing		Sem I Unit III Introduction to SHM : Equation of SHM, Displacement , velocity & Acceleration	https://drive.google.com/file/d/1Ilh_F7dUz8xZaAZpfC9hxnNGGI4OvyOK/view?usp=sharing	

Unit1 Kepler's Laws Of Planetary Motion and Gravitation	https://drive.google.com/file/d/1fk2NlyjPicAzXGm6ZaIWLAhJI_fB05mbF/view?usp=sharing	Dr. P.A. Nagpure	Sem I Unit III Energy of Harmonic Oscillator	https://drive.google.com/file/d/1aGzs0doCR2Xz_prm_WuYob_3dQvz-67z/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	Dr. P.A. Nagpure
Unit 2 Rotational Motion and Moment Of Inertia	https://drive.google.com/file/d/1yxDvxiFH0zFXhKKgY5WFzOt2ybihRe4Q/view?usp=sharing		B.Sc. I Sem I Unit III Compound Pendulum	https://drive.google.com/file/d/13li1bp_pUijiXFTci3t4c3dWy0cM00eA/view?usp=sharing	
Unit 5 Properties Of	https://drive.google.com/file/d/1ZxXeg2ULtKFCoevmCQKV		Sem I Unit III	https://drive.google.com/	

Matter : Elasticity	5o1-D7aH9XMF/view?usp=sharing		<ul style="list-style-type: none"> Kater's Pendulum SHM of bar magnet in the Earth's magnetic field 	file/d/1dT9syYmFEJ_uyYa2LZVEhKgea_Hnb_ve/view?usp=sharing	
Unit 6 Properties of Fluid Surface Tension Viscosity	https://drive.google.com/file/d/146PSB3g5B7x2aLhuJhB9TlJFCDsKZV44/view?usp=sharing			https://drive.google.com/drive/folders/1UqMuWH5c0toj3but22cawn9HZFhSATL7?usp=sharing	S.S.Arsad
Surface Tension &Elasticity	https://drive.google.com/drive/folders/1HNI_B6jKsEuF1umX8VotxK0bqV-zTi-s?usp=sharing	Dr. S.S Arsad			
Motion of Rigid body	https://drive.google.com/file/d/1r5hIIBNOhkaYtSVFNHvNGAHLSHT4Qusm/view?usp=sharing	Dr. Naresh N Sarkar			
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/10L69XmIvn6EUh5njAJw0m7Z4chc1Q5j4/view?usp=sharing				
Newtons Law	https://drive.google.com/file/d/1WGGwOuMlNaI3dISNQke7EInm_uvsv8KR/view?usp=sharing				
Parallel axis theorem	https://drive.google.com/file/d/1oX2ymxnVbdrexudNuLFHcssB6wKcgL2W/view?usp=sharing				
Keplers law	https://drive.google.com/file/d/1nh71HLQpjyqm2p04rcPDap2aW7EaLuE/view?usp=sharing				
Elasticity	https://drive.google.com/file/d/1I9P1eFVc2bqlg2flxQbL0f3GYNs_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	Dr. A. B. Bodade			
Simple Harmonic motion	https://drive.google.com/file/d/10c4I9b1qYuoQssYKXf6lra_-c69k-SvT/view?usp=sharing	Dr. S.K. Sayyad			
			Oscillation and waves	https://youtu.be/_8tLO6yhzJs	Radhika G Deshmukh
				https://youtu.be/dlc-sqNDxG8	Radhika G Deshmukh
				https://youtu.be/EyZ	Radhika G

				NbKUQIA0https://youtu.be/dlc-sqNDxG8	Deshmukh
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B. Sc. Part – I (Semester – II)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
2S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0	Dr. Pankaj Nagpure	2S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0	Dr. Pankaj Nagpure

B. Sc. Part – II (Semester – III)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. P.A. Nagpure	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
2	Dr.Swapnil S. Arsad	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
3	Dr. V. V. Deshmukh	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
4	Miss. S. M. Butte	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
5	Dr. Pankaj P. Khirade	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5?cjc=b73es4y	b73es4y
	Dr. Naresh N Sarkar	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my
6	Dr. Archana B. Bodade	https://classroom.google.com/c/MTQ0MDMxNjcxODc5?cjc=hueh4my	hueh4my

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Unit 1 Mathematical Background : Electromagnetism	https://drive.google.com/file/d/1ES5hm7zW2LaVapuFsap-b30VgRddb-36/view?usp=sharing	Dr. P.A. Nagpure			
Unit 2 Maxwell's Equations, Electromagnetic Waves	https://drive.google.com/file/d/1fF5PRNvt1VB4an6QidV3eHkGsnhyl4At/view?usp=sharing				
Unit 3	https://drive.google.com/file/d/1fk2NlyjPicAzXGm6ZalWLAh				

Semiconductor, Semiconductor Diodes	JlfB05mbF/view?usp=sharing
Unit 4 Op-amp and applications	https://drive.google.com/file/d/1yxDvxiFH0zFXhKKgY5WFzOt2ybihRe4Q/view?usp=sharing
Unit 5 Special theory of relativity	https://drive.google.com/file/d/1-LclcrglZ91ZNgCEoeqlfHrNr9KrSndV/view?usp=sharing

ED 1&2	https://drive.google.com/drive/folders/1tRB9oaAzHIXHh7fV5JVzEHpX8Ckmu_JC?usp=sharing	S.S Arsad		https://drive.google.com/drive/folders/1peyJPQT4IfSn8v9eWGeJWUNyZ-rJD3o1?usp=sharing	
Semiconductor	https://drive.google.com/file/d/18vgbDc15a5OQrddU8gum36xbzyMhNeKZ/view?usp=sharing	Dr. V. V. Deshmukh			
Solid State Devices I: Lecture1	https://drive.google.com/file/d/1fPTyMYJQh7QKZZgfKYd2_s0N_KnswlAj/view?usp=sharing				
Solid State Devices I: Lecture2	https://drive.google.com/file/d/1X9Q6nQTApzExjOsDq-z_BwGagiJlnBQF/view?usp=sharing				
Solid State Devices I: Lecture3	https://drive.google.com/file/d/10Nalt8DvWvua_Q4SUXR-mvqkktXSDgfl/view?usp=sharing				
Solid State Devices : Lecture4	https://drive.google.com/file/d/10Nalt8DvWvua_Q4SUXR-mvqkktXSDgfl/view?usp=sharing				
Solid State Devices I: Lecture5	https://drive.google.com/file/d/1eLe9XlsZuqEI0B1ePNOW-1OudzQrTjOd/view?usp=sharing				
Solid State Devices II: Lecture1	https://drive.google.com/file/d/1k5hnhVz2yf2Duou9yRvfc_4vOwubvfay/view?usp=sharing				
Solid State Devices II: Lecture2	https://drive.google.com/file/d/1n1KDP9IDzcwSfJE9k7lChYmDecNqzfc/view?usp=sharing				
Solid State Devices II Lecture3	https://drive.google.com/file/d/1nrxq1Gmj6N-cMUz4Ezfb5Kwlp-4YDbm/view?usp=sharing				
Introduction to Op-Amp	https://www.slideshare.net/vaishalideshmukh22/opamp-1-234551722				
Op-Amp Applications	https://www.slideshare.net/vaishalideshmukh22/opamp-2-234551859				
Numericals on Special theory of	https://classroom.google.com/w/MTQ0MDMxNjcXOTE5/tc/MjQ5MDI1MTY3NjYz	Miss. S. M. Butte			

relativity				
Special theory of relativity	https://classroom.google.com/c/MTQ0MDMxNjcxOTE5/p/MjQ4NzMwNjg0ODE3/details			
Atmosphere and Geophysics	https://classroom.google.com/c/MTQ0MDMxNjcxODc5/m/Mjc1MDcwNzM2NDE5/details	Dr. A. B. Bodade		
Special theory of relativity	https://drive.google.com/file/d/1yVXJTq0I5x0McyVTW0aP4Yx5grHq591m/view?usp=sharing			
Chapter-2: Magnetostatics and Maxwell's Equations	https://www.slideshare.net/secret/uWqLbDV97bBB4W	Dr. Pankaj P. Khirade		
Chapter-1: <u>Mathematical background and Electrostatics</u>	https://www.slideshare.net/secret/xvjyNFhZyT971F			
BJT	https://drive.google.com/file/d/1YilWbRsv150-TsOCkoszAyKsSih2ThAh/view?usp=sharing	Dr. Naresh N Sarkar		
Differential amplifier	https://drive.google.com/file/d/1DrX8cHJ8U0kKutq4zTJ0nKsGec0PN8A3/view?usp=sharing			
Semiconductor Physics	https://drive.google.com/file/d/12frKPn1sITwAlxPytQjJFz5wHJmgs_GE/view?usp=sharing			
Hall effect	https://drive.google.com/file/d/1r2xfDK_S3jRQRJRe-qiA7E2XyQW-IQG5/view?usp=sharing			
Semiconductor diode	https://drive.google.com/file/d/1tV3DKdCBYx6c7ds5zkugOMVXNOm0Cqxt/view?usp=sharing			

B. Sc. Part – II (Semester – IV)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
4S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0	Dr. Pankaj Nagpure	4S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0	Dr. Pankaj Nagpure

B. Sc. Part – III (Semester – V)

Google Classrooms

S.N.	Name of the Teacher	Joining Link	Class Code
1	Dr. W. S. Barde	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
2	Dr. P.A. Nagpure	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
3	Dr. V. V. Deshmukh	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
4	Miss. S. M. Butte	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
5	Dr. Pankaj P. Khirade	https://classroom.google.com/c/MTQ0MDMxNjcxOTUx?cjc=wocbygf	wocbygf
6	Dr. S.K. Sayyad	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw?cjc=5no5gou	5no5gou
7	Dr Radhika G Deshmukh		
8.	Dipali P.Rathod		

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Sem V : History of an Atom	https://drive.google.com/file/d/1kEcgrlYfbxXAYOgFbgh6MvddH-T4JvOX/view?usp=sharing	Dr. W. S. Barde	Vector Atom Model : Space Quantization & Electron Spin	https://drive.google.com/file/d/1yx8t-oTToQ6e-4Q4qwOXtgJR6o6Y6bAV/view?usp=sharing	Dr. W. S. Barde

Sem V : Vector Atom Model & Quantum Numbers	https://drive.google.com/file/d/1R2Cw404T-gY7zv4TZILROkmoxuSNhmr1/view?usp=sharing
Lecture Notes : Unit III	https://drive.google.com/file/d/1RgG4QZltNBw4p_TW2xZeaBz3zKlZ5bZ8/view?usp=sharing
Lecture Notes : Unit IV	https://drive.google.com/file/d/1tsve5XVyetMzvzNgXznVfAjj9fl7y2vy/view?usp=sharing

Stern- Gerlach Experiment	https://drive.google.com/file/d/10Js1GDjoXubcLe8GE3gYStB_VsJ_Vihl/view?usp=sharing
Stern- Gerlach Experiment	https://drive.google.com/file/d/1ar_lxxwmOA_Nvwx6pXxY53tiFXWA1eya/view?usp=sharing
Spin-Orbit Interaction and L-S	https://drive.google.com/file/d/1wAq97TpDI7K5Dj_oH6DqrLQ9dyziDHvB/view?usp=sharing

			Coupling Scheme		
Unit 1 Origin of quantum mechanics	https://drive.google.com/file/d/1j189vUKRd5s8E6T8Gm-S5QrBqo7VfJdI/view?usp=sharing	Dr. P.A. Nagpure	UV VIS Spectroscopy Part I	https://drive.google.com/file/d/1E6eNsHIXxfcsW8rpSYbuv6SAJGWde6a/view?usp=sharing	
Unit 2 Schrodinger equation and Application	https://drive.google.com/file/d/1So0RAQ-oF-6yckmAQ0IoobdaR7KG-so0/view?usp=sharing		UV VIS Spectroscopy Part II	https://drive.google.com/file/d/18dYELMo-YEuFwQUqCM0g2e0N42r-fDeD/view?usp=sharing	
Unit 3 Atomic and molecular Physics	https://drive.google.com/file/d/1Kf8spHvB0uRHJH13SpWxIFf3GHXKpgtH/view?usp=sharing		Atomic & Molecular Spectra	https://drive.google.com/file/d/1jwIPFXDttQP6uwZX_w5cOmYtntWgIfKv/view?usp=sharing	
Unit 4 Nuclear Physics	https://drive.google.com/file/d/11ITV1gjfVSRleHWTUsvOusxzj4M8jnPz/view?usp=sharing		Vector Atom Model : Space Quantization & Electron Spin	https://drive.google.com/file/d/1yx8t-oTToQ6e-4Q4qwOXtgJR6o6Y6bAV/view?usp=sharing	
Feedback in Amplifier	https://www.slideshare.net/vaishalideshmukh22/feedback-in-amplifier	Dr. V. V. Deshmukh			
Oscillators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-oscillators				
Multivibrators	https://www.slideshare.net/vaishalideshmukh22/introduction-to-multivibrators				
Nuclear Physics	https://classroom.google.com/c/MTQ0MDMxNjcOTQw/m/MjQ5MDQzMTM1NDcx/details	Miss. S. M. Butte			
Chapter-1: Origin of Quantum-mechanics	https://www.slideshare.net/PankajKhirade1/origin-of-quantum-mechanics-chapter-1	Dr. Pankaj P. Khirade			

Chapter-2: Schrodinger equation and its applications	https://www.slideshare.net/PankajKhirade1/schrodinger-equation-and-its-applications-chapter-2				
Chapter 5 Hybrid parameter Transistor Amplifier	https://classroom.google.com/c/MTQ0MDMxNjcxOTQw/m/MjQ5MTgwMzA5MTk3/details	Dr. S. K. Sayyad			
Oscillator	https://drive.google.com/file/d/1NzeOMy3L6z0W1C63IGGIIPGSJUEBjIeR/view?usp=sharing		Feedback in amplifier	https://drive.google.com/file/d/1JmlLWutZSnn-d6UEWutc5iIEFAqrkBJ/view?usp=drivesdk	Dr Radhika GDeshmukh
Multi vibrators	https://drive.google.com/file/d/1QLRI2jYxbMPNCrm_7EPYAC83vzuRCZHu/view?usp=sharing			https://drive.google.com/file/d/1PEwUrtehLKUeIe8nT6DHXRWlIfOSvYzS/view?usp=drivesdk	
				https://drive.google.com/file/d/1VW5kmG9DD0aHuDzGAoyTt5S1WbsaUsSt/view?usp=drivesdk https://drive.google.com/file/d/1Mib_	
				https://drive.google.com/file/d/1IrkdhfKslMKpd_TQPHBeAPtrQHD1kd4b/view?usp=drivesdk	
				https://drive.google.com/file/d/1Mib_a-sWEwAwB7Z5mQ2N4BcMQjOZdO5Y/view?usp=drivesdk	
				https://drive.google.com/file/d/1JmlLWutZSnn-d6UEWutc5iIEFAqrkBJ/view?usp=drivesdk	
				https://youtu.be/JKxS6BNaMZs	

B. Sc. Part – III (Semester – VI)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
6S PHY	https://sites.google.com/view/pankajnagpure/lecture-notes/ug?authuser=0	Dr. Pankaj Nagpure	6S PHY	https://sites.google.com/view/pankajnagpure/video-lectures?authuser=0	Dr. Pankaj Nagpure