

# Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Chemistry

## B. Sc. Part – I (Semester – I)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Boron family	<a href="https://www.slideshare.net/NitinBansod5/boron-family-newqid=587e4e7e-0d0b-4198-933d-">https://www.slideshare.net/NitinBansod5/boron-family-newqid=587e4e7e-0d0b-4198-933d-</a>	Dr. N. H. Bansod			
Electronic Displacements:	<a href="https://www.slideshare.net/pramodpadole35/sem-i-a-electronic-displacements-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/sem-i-a-electronic-displacements-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Reactive intermediates	<a href="https://www.slideshare.net/pramodpadole35/semester-i-b-reactive-intermediates-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/semester-i-b-reactive-intermediates-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Aliphatic Hydrocarbons	<a href="https://www.slideshare.net/pramodpadole35/semester-i-c-aliphatic-hydrocarbons-by-dr-pramod-r-padole-242708143">https://www.slideshare.net/pramodpadole35/semester-i-c-aliphatic-hydrocarbons-by-dr-pramod-r-padole-242708143</a>	Dr Pramod R Padole			
Polarization and Polarizing property	<a href="https://www.slideshare.net/GajananDongare/dongare-g-m-bsci-sem-ii-unit-i-polarisation">https://www.slideshare.net/GajananDongare/dongare-g-m-bsci-sem-ii-unit-i-polarisation</a>	Dr. G. M. Dongare			
Chemical Thermodynamics	<a href="https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing">https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing</a>	Dr. S. P. Ingole			
Chemical Thermodynamics	<a href="https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing">https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing</a>	Dr. S. P. Ingole			
Chemical Thermodynamics	<a href="https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing">https://drive.google.com/file/d/1WIiWF35MtJ-ucQwuokrh1-V9VshPqaGH/view?usp=sharing</a>	Dr. S. P. Ingole			

## B. Sc. Part – II (Semester – III)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Thermodynamics	<a href="https://docs.google.com/presentation/d/11sxodL5-YdSelQh6FFKrd7ferwXx_u5q/edit#slide=id.p1">https://docs.google.com/presentation/d/11sxodL5-YdSelQh6FFKrd7ferwXx_u5q/edit#slide=id.p1</a>	Dr. S. K. Rithe			
Colligative Property	<a href="https://www.slideshare.net/NitinBansod5/colligative-properties-ppt-sscamtqid=1f148b90-697c-4457-9068-5d94d6543064&amp;v">https://www.slideshare.net/NitinBansod5/colligative-properties-ppt-sscamtqid=1f148b90-697c-4457-9068-5d94d6543064&amp;v</a>	Dr. N. H. Bansod			

<b>Streochemistry</b>	<a href="https://www.slideshare.net/Munna19/conformati-on-ug-newedited23110555">https://www.slideshare.net/Munna19/conformati-on-ug-newedited23110555</a>	<b>Dr. N. R. Thakare</b>		
<b>Paper Chromatography</b>	<a href="https://www.slideshare.net/Munna19/paperchromatography-231168806">https://www.slideshare.net/Munna19/paperchromatography-231168806</a>	<b>Dr. N. R. Thakare</b>		
Stereochemistry	<a href="https://www.slideshare.net/pramodpadole35/stereochemistry-by-dr-p-r-padole">https://www.slideshare.net/pramodpadole35/stereochemistry-by-dr-p-r-padole</a>	<b>Dr Pramod R Padole</b>		
<b>Benzoin Condensation</b>	<a href="https://drive.google.com/file/d/1OfgKBSi6UlxWze-tgVvFuyjJwR9eWTqz/view?usp=sharing">https://drive.google.com/file/d/1OfgKBSi6UlxWze-tgVvFuyjJwR9eWTqz/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Reduction of Carbonyl compound</b>	<a href="https://drive.google.com/file/d/123nUrImV0Asz-Oeg5MNE5BK4JIZDFP39/view?usp=sharing">https://drive.google.com/file/d/123nUrImV0Asz-Oeg5MNE5BK4JIZDFP39/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Stereochemistry</b>	<a href="https://drive.google.com/file/d/1oivXFW0oLYucLs9wiyWJfj0EmSdpZRSO/view?usp=sharing">https://drive.google.com/file/d/1oivXFW0oLYucLs9wiyWJfj0EmSdpZRSO/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Cannizaro Reaction</b>	<a href="https://drive.google.com/file/d/1PK_JkRf7PIFP2YvtzaPA6My2wevxobxq/view?usp=sharing">https://drive.google.com/file/d/1PK_JkRf7PIFP2YvtzaPA6My2wevxobxq/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Aldehyde Ketone</b>	<a href="https://drive.google.com/file/d/1B9bPAgeXAxmIvYdH-X4UozyWw7sFSJAB/view?usp=sharing">https://drive.google.com/file/d/1B9bPAgeXAxmIvYdH-X4UozyWw7sFSJAB/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Perkin Reaction</b>	<a href="https://drive.google.com/file/d/1UylLexEqQ0Zani6iJcvUjaj-ccNZJ-tG/view?usp=sharing">https://drive.google.com/file/d/1UylLexEqQ0Zani6iJcvUjaj-ccNZJ-tG/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Reformatsky Reaction</b>	<a href="https://drive.google.com/file/d/1C3bbCBcQgAzHRBR9GvRj2BlykPq5WYSH/view?usp=sharing">https://drive.google.com/file/d/1C3bbCBcQgAzHRBR9GvRj2BlykPq5WYSH/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Mannich Reaction</b>	<a href="https://drive.google.com/file/d/1V1Mx5YnZcRCXbl_nXoGAmfSiK2dxTLkD/view?usp=sharing">https://drive.google.com/file/d/1V1Mx5YnZcRCXbl_nXoGAmfSiK2dxTLkD/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
<b>Stereochemistry</b>	<a href="https://drive.google.com/file/d/19Hese5Zn_DT MZQ9nNapoK2BSUfRwJhyo/view?usp=sharing">https://drive.google.com/file/d/19Hese5Zn_DT MZQ9nNapoK2BSUfRwJhyo/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>		
Basic concepts of Thermodynamics	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121">https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121</a>	<b>Dr. Y. S. Thakare</b>		
Gibbs free energy and Helmholtz free energy	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy">https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy</a>	<b>Dr. Y. S. Thakare</b>		
Gibbs Helmholtz equation, Chemical potential, Gibbs Duhem equation	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation">https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation</a>	<b>Dr. Y. S. Thakare</b>		

Chemical potential of an ideal gas Van't Hoff reaction isotherm equation	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398">https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398</a>	<b>Dr. Y. S. Thakare</b>			
Problems on thermodynamic equilibrium	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics">https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics</a>	<b>Dr. Y. S. Thakare</b>			
Surface tension, Definition, Experimental Determination Effect of temperature, Applications	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension">https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension</a>	<b>Dr. Y. S. Thakare</b>			
Basic concepts of Thermodynamics	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121">https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121</a>	<b>Dr. Y. S. Thakare</b>			
Gibbs free energy and Helmholtz free energy	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy">https://www.slideshare.net/ProfYogitaThakare/lect-2-gibbs-free-energy-and-helmholtz-free-energy</a>	<b>Dr. Y. S. Thakare</b>			
Gibbs Helmholtz equation, Chemical potential, Gibbs Duhem equation	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation">https://www.slideshare.net/ProfYogitaThakare/lect-3-gibbs-helmholtz-equation-chemical-potential-gibbs-duhem-equation</a>	<b>Dr. Y. S. Thakare</b>			
Chemical potential of an ideal gas Van't Hoff reaction isotherm equation	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398">https://www.slideshare.net/ProfYogitaThakare/lect-4-chemical-potential-of-an-ideal-gas-vant-hoff-reaction-isotherm-vant-hoff-equation-238439398</a>	<b>Dr. Y. S. Thakare</b>			
Problems on thermodynamic equilibrium	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics">https://www.slideshare.net/ProfYogitaThakare/lect-6-problems-on-thermodynamics</a>	<b>Dr. Y. S. Thakare</b>			
Surface tension, Definition, Experimental	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension">https://www.slideshare.net/ProfYogitaThakare/lect-1-surface-tension</a>	<b>Dr. Y. S. Thakare</b>			

Determination Effect of temperature, Applications					
Basic concepts of Thermodynamics	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121">https://www.slideshare.net/ProfYogitaThakare/lect-1-introduction-syllabus-b-sc-ii-sem-iii-basic-concept-of-thermodynamics-238439121</a>	<b>Dr. Y. S. Thakare</b>			
<b>Metallurgy</b>	<a href="https://www.slideshare.net/harshaliwankhade/metallurgy-242824511">https://www.slideshare.net/harshaliwankhade/metallurgy-242824511</a>	<b>Dr. H. G. Wankhade</b>			
		<b>Dr. N. A. Kalambe</b>			
<b>Crystalline State</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			
<b>Amorphous Solid</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			
<b>Crystallography</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			
<b>Law of Crystallography</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			
<b>Interplaner distance in cubic system</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			
<b>Inter planer distances ratio is summarized</b>	<a href="https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing">https://drive.google.com/file/d/15fzakRRJuq1ZW7XlrJ1_rLf5xSbazg4Z/view?usp=sharing</a>	<b>Dr. S. P. Ingole</b>			

**B. Sc. Part – III (Semester – V)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Spectroscopy	<a href="https://docs.google.com/presentation/d/1EnDR6bwer56kqfoHt8UAfLLX8zTNUjCd/e">https://docs.google.com/presentation/d/1EnDR6bwer56kqfoHt8UAfLLX8zTNUjCd/e</a>	<b>Dr. S. K. Rithe</b>			

	<a href="#">dit#slide=id.p1</a>				
<b>Photochemistry</b>	<a href="https://drive.google.com/file/d/1fB9tBAdyHujGlelOB-34zd0TWOEUHM9k/view?usp=sharing">https://drive.google.com/file/d/1fB9tBAdyHujGlelOB-34zd0TWOEUHM9k/view?usp=sharing</a>	<b>Dr. A. S. Bhurghate</b>			
<b>Photochemistry</b>	<a href="https://drive.google.com/file/d/1PH0VjCNV4srB-sXvrEfkLsAC2Q2ZfEfZ/view?usp=sharing">https://drive.google.com/file/d/1PH0VjCNV4srB-sXvrEfkLsAC2Q2ZfEfZ/view?usp=sharing</a>	<b>Dr. A. S. Bhurghate</b>			
<b>Dyes</b>	<a href="https://www.slideshare.net/Munna19/dyes-ppt-231168582">https://www.slideshare.net/Munna19/dyes-ppt-231168582</a>	<b>Dr. N. R. Thakare</b>			
Drugs & Pesticides	<a href="https://www.slideshare.net/pramodpadole35/drugs-pesticides-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/drugs-pesticides-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>	B.Sc. Sem-V University Chemistry Syllabus	<a href="https://www.youtube.com/watch?v=fVe0vtyZURw">https://www.youtube.com/watch?v=fVe0vtyZURw</a>	<b>Dr Pramod R Padole</b>
Orientation of Electrophilic Substitution in Pyrrole	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iv-pyrrole-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iv-pyrrole-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>	Unit-III Heterocyclic Compounds Part-I (Pyrrole) Defination of Heterocyclic compounds, Nomenclature of heterocycles, Classification of heterocyclic compounds & Preparations of Pyrrole	<a href="https://www.youtube.com/watch?v=GpsCZ8_bXYw&amp;feature=youtu.be">https://www.youtube.com/watch?v=GpsCZ8_bXYw&amp;feature=youtu.be</a>	<b>Dr Pramod R Padole</b>
6 – membered heterocyclic compounds, Preparation of Pyridine, Molecular Orbital Structure / Picture / M.O. diagram of Pyridine	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyridine-by-dr-pramod-r-padole-239022661">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyridine-by-dr-pramod-r-padole-239022661</a>	<b>Dr Pramod R Padole</b>	Heterocyclic Compounds Part-II (Pyrrole) <b>Molecular orbital diagram of</b>	<a href="https://www.youtube.com/watch?v=Um_ZJEwRfYQ">https://www.youtube.com/watch?v=Um_ZJEwRfYQ</a>	<b>Dr Pramod R Padole</b>

			<b>pyrrole</b>		
Resonance Structures of Pyridine, Basic Nature or Basic Character of Pyridine, Pyridine is more basic than Pyrrole,	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyridine-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyridine-by-dr-pramod-r-padole</a>		Heterocyclic Compounds Part-III (Pyrrole) Resonance, Resonance Structures of Pyrrole, Basic nature of Pyrrole & Acidic nature of Pyrrole	<a href="https://youtu.be/T37iOQ13sQM">https://youtu.be/T37iOQ13sQM</a>	<b>Dr Pramod R Padole</b>
Orientation and Reactivity of Electrophilic Substitution in Pyridine, Electrophilic Substitution Reactions of Pyridine at C-3 position	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiii-pyridine-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiii-pyridine-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>			
Orientation and Reactivity of Nucleophilic Substitution in Pyridine, Nucleophilic Substitution Reactions of Pyridine at C-2 position	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiv-pyridine-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partiv-pyridine-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>			
Resonance structure of Pyrrole, Basic Nature (or Character) of Pyrrole, Acidic Nature of Pyrrole,	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iii-pyrrole-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iii-pyrrole-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>			
Heterocyclic Compounds, Nomenclature of Heterocycles, Classification of Heterocyclic	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyrroleby-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyrroleby-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>			

Compounds, a) 5-membered Heterocyclic compounds, Preparation of Pyrrole:					
Molecular Orbital Structure / Picture / M.O. diagram of Pyrrole	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyrrole-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-partii-pyrrole-by-dr-pramod-r-padole</a>	<b>Dr Pramod R Padole</b>			
Dyes, Drugs & Pesticides	<a href="https://www.slideshare.net/pramodpadole35/dyes-drugs-pesticides-by-dr-pramod-r-padole-242750175">https://www.slideshare.net/pramodpadole35/dyes-drugs-pesticides-by-dr-pramod-r-padole-242750175</a>	<b>Dr Pramod R Padole</b>			
Grignard Reagent	<a href="https://drive.google.com/file/d/1rxBmDRqw1nziQdEqbYf9428QZcvgdDEZ/view?usp=sharing">https://drive.google.com/file/d/1rxBmDRqw1nziQdEqbYf9428QZcvgdDEZ/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Polymer	<a href="https://drive.google.com/file/d/12LdNGs5Oz2sffujBF8i3SaqOI4YMStcU/view?usp=sharing">https://drive.google.com/file/d/12LdNGs5Oz2sffujBF8i3SaqOI4YMStcU/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Organolithium Compound	<a href="https://drive.google.com/file/d/1p3kVorqYVi7Slhg4apK4HI3_0VkQq8b3/view?usp=sharing">https://drive.google.com/file/d/1p3kVorqYVi7Slhg4apK4HI3_0VkQq8b3/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Pyridine	<a href="https://drive.google.com/file/d/1Ei5fuh2KgdAnpYCb2NmCwYqoXbd29Ziq/view?usp=sharing">https://drive.google.com/file/d/1Ei5fuh2KgdAnpYCb2NmCwYqoXbd29Ziq/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Pyrrol	<a href="https://drive.google.com/file/d/1IODmh9Vv-7qPTY6wsm55VdSm02Wf4ent/view?usp=sharing">https://drive.google.com/file/d/1IODmh9Vv-7qPTY6wsm55VdSm02Wf4ent/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Pesticides	<a href="https://drive.google.com/file/d/1xo0HI6j6MhIRYCA97czlmbTPxckCSbk_/view?usp=sharing">https://drive.google.com/file/d/1xo0HI6j6MhIRYCA97czlmbTPxckCSbk_/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Indigo, Alizarin	<a href="https://drive.google.com/file/d/1YE05I0qdGuGT_E_GJd9paG4lKhqLO3R/view?usp=sharing">https://drive.google.com/file/d/1YE05I0qdGuGT_E_GJd9paG4lKhqLO3R/view?usp=sharing</a>	<b>Dr. S. A. Wadhal</b>			
Photochemistry, EMR, parameters of EMR	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr">https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr</a>	<b>Dr. Y. S. Thakare</b>			
Interaction of	<a href="https://www.slideshare.net/ProfYogitaTh">https://www.slideshare.net/ProfYogitaTh</a>	<b>Dr. Y. S.</b>			

EMR, photochemical and thermal reaction	<a href="#">akare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction</a>	<b>Thakare</b>			
Laws of absorption of light	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law">https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law</a>	<b>Dr. Y. S. Thakare</b>			
Laws of photochemistry	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry">https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry</a>	<b>Dr. Y. S. Thakare</b>			
Quantum yield, experimental arrangement, reasons for high and low Quantum yield, problems, photochemical reactions, kinetics of photochemical decomposition of HI, photosensitized reaction, mechanism of photosensitization,	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction">https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction</a>	<b>Dr. Y. S. Thakare</b>			
Photochemistry , EMR, parameters of EMR	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr">https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr</a>	<b>Dr. Y. S. Thakare</b>			
Interaction of EMR, photochemical and thermal	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction">https://www.slideshare.net/ProfYogitaThakare/lect-2-interaction-of-emr-photochemical-and-thermal-reaction</a>	<b>Dr. Y. S. Thakare</b>			



reaction					
Laws of absorption of light	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law">https://www.slideshare.net/ProfYogitaThakare/lect-3-laws-of-absorption-of-light-lamberts-beers-law</a>	<b>Dr. Y. S. Thakare</b>			
Laws of photochemistry	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry">https://www.slideshare.net/ProfYogitaThakare/lect-4-limitation-of-beers-law-laws-of-photochemistry</a>	<b>Dr. Y. S. Thakare</b>			
Quantum yield, experimental arrangement, reasons for high and low Quantum yield, problems, photochemical reactions, kinetics of photochemical decomposition of HI, photosensitized reaction, mechanism of photosensitization,	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction">https://www.slideshare.net/ProfYogitaThakare/lect-5-quantum-yield-and-photosensitize-reaction</a>	<b>Dr. Y. S. Thakare</b>			
Photochemistry , EMR, parameters of EMR	<a href="https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr">https://www.slideshare.net/ProfYogitaThakare/lect-1-photochemistry-introductionemrparameters-of-emr</a>	<b>Dr. Y. S. Thakare</b>			

## Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of Chemistry

B. Sc. Part – I (Semester – II)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Periodic table	<a href="https://docs.google.com/presentation/d/1MCFvgXC7rCjltUhqR3g7ny0cBsXRbzOxB9Op1uZYUs/edit?usp=sharing">https://docs.google.com/presentation/d/1MCFvgXC7rCjltUhqR3g7ny0cBsXRbzOxB9Op1uZYUs/edit?usp=sharing</a>	Dr. A. B. Bodade			
Modern Periodic table	<a href="https://docs.google.com/presentation/d/1T4JsSJ7losU7SMNT0c70ZF8_967bCl1-b4a5pSqmmmyQ/edit?usp=sharing">https://docs.google.com/presentation/d/1T4JsSJ7losU7SMNT0c70ZF8_967bCl1-b4a5pSqmmmyQ/edit?usp=sharing</a>				

**B. Sc. Part – II (Semester – IV)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Liquid State	<a href="https://docs.google.com/presentation/d/194IU47tMpdKMhtK7hVA7qBF-6zcPnhCZmPa8bC4zsNg/edit?usp=sharing">https://docs.google.com/presentation/d/194IU47tMpdKMhtK7hVA7qBF-6zcPnhCZmPa8bC4zsNg/edit?usp=sharing</a>	Dr. G. N. Chaudhari			
Covalent bonding ,Metallic Bonding and VSERP Theory	<a href="https://docs.google.com/presentation/d/1Gg_7nBI5wfwTq0PNXsKZB3WOQnEnDO0F_4bPCNF2CAo/edit?usp=sharing">https://docs.google.com/presentation/d/1Gg_7nBI5wfwTq0PNXsKZB3WOQnEnDO0F_4bPCNF2CAo/edit?usp=sharing</a>	Dr. A. B. Bodade			
Inner Transition element	<a href="https://www.slideshare.net/savedfiles?s_title=inner-transition-element-2020">https://www.slideshare.net/savedfiles?s_title=inner-transition-element-2020</a>	Dr. N. H. Bansod			
Acid base theory	<a href="https://www.slideshare.net/savedfiles?s_title=acid-base-theory-234386976&amp;user_login=NitinBansod5">https://www.slideshare.net/savedfiles?s_title=acid-base-theory-234386976&amp;user_login=NitinBansod5</a>	Dr. N. H. Bansod			
Extraction of element	<a href="https://www.slideshare.net/savedfiles?s_title=extraction-of-elements&amp;user_login=NitinBansod5">https://www.slideshare.net/savedfiles?s_title=extraction-of-elements&amp;user_login=NitinBansod5</a>	Dr. N. H. Bansod			
Solid state	<a href="https://www.slideshare.net/savedfiles?s_title=copy-of-solid-state-fff-2013&amp;user_login=NitinBansod5">https://www.slideshare.net/savedfiles?s_title=copy-of-solid-state-fff-2013&amp;user_login=NitinBansod5</a>	Dr. N. H. Bansod			
		Dr. K. N. Puri			
Paper Chromatography	<a href="https://www.slideshare.net/Munna19/paperchromatography-231168806">https://www.slideshare.net/Munna19/paperchromatography-231168806</a>	Dr. N. R. Thakare			
Carbohydrates	<a href="https://www.slideshare.net/pramodpadole35/carbohydrates-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/carbohydrates-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			

Aromatic nitro compounds	<a href="https://www.slideshare.net/pramodpadole35/aromatic-nitro-compounds-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/aromatic-nitro-compounds-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Amino Compounds	<a href="https://www.slideshare.net/pramodpadole35/amino-compounds-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/amino-compounds-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
<b>Benzene Diazonium Chloride</b>	<a href="https://www.slideshare.net/pramodpadole35/benzene-diazonium-chloride-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/benzene-diazonium-chloride-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Amino acids & Proteins	<a href="https://www.slideshare.net/pramodpadole35/amino-acids-proteins-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/amino-acids-proteins-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			

**B. Sc. Part – III (Semester – VI)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
NMR	<a href="https://www.slideshare.net/Munna19/nmr-231168675">https://www.slideshare.net/Munna19/nmr-231168675</a>	Dr. N. R. Thakare			
UV-Visible Spectroscopy	<a href="https://www.slideshare.net/pramodpadole35/uv-visible-spectroscopy-by-dr-pamod-r-padole">https://www.slideshare.net/pramodpadole35/uv-visible-spectroscopy-by-dr-pamod-r-padole</a>	Dr Pramod R Padole			
IR Spectroscopy	<a href="https://www.slideshare.net/pramodpadole35/ir-spectroscopy-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/ir-spectroscopy-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
NMR Spectroscopy	<a href="https://www.slideshare.net/pramodpadole35/nmr-spectroscopy-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/nmr-spectroscopy-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Mass Spectroscopy	<a href="https://www.slideshare.net/pramodpadole35/mass-spectroscopy-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/mass-spectroscopy-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
		Dr. S. A. Wadhal	NMR	<a href="https://www.youtube.com/watch?v=2mgqAJQxaCY">https://www.youtube.com/watch?v=2mgqAJQxaCY</a>	
		Dr. S. A. Wadhal	NMR	<a href="https://www.youtube.com/watch?v=77cEO4_vT34">https://www.youtube.com/watch?v=77cEO4_vT34</a>	
Organometallic Chemistry	<a href="https://www.slideshare.net/GajananDongare/organometallic-chemistry-gmdongare">https://www.slideshare.net/GajananDongare/organometallic-chemistry-gmdongare</a>	Dr. G. M. Dongare			