

# 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
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	Handing and Calibration of Colorimeter	<a href="https://youtu.be/19-o5h6DHTg">https://youtu.be/19-o5h6DHTg</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			
Mechanism of electrophilic aromatic substitution	<a href="https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-mechanism-of-electrophilic-aromatic-substitution-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-mechanism-of-electrophilic-aromatic-substitution-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Aromatic, antiaromatic and non aromatic compounds	<a href="https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-aromatic-antiaromatic-and-non-aromatic-compounds-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-aromatic-antiaromatic-and-non-aromatic-compounds-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Nomenclature and Isomerism of Aromatic Compounds	<a href="https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-nomenclature-and-isomerism-of-aromatic-compounds-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semi-unitiv-nomenclature-and-isomerism-of-aromatic-compounds-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
Orientation	<a href="https://www.slideshare.net/pramodpadole35/b-sc-sem-i-unitiv-d-orientation-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/b-sc-sem-i-unitiv-d-orientation-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			

**B. Sc. Part – II (Semester – III)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
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			
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>	Dr Pramod R Padole			

**B. Sc. Part – III (Semester – V)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
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>	Dr Pramod R Padole	B.Sc. Sem-V University Chemistry Syllabus	<a href="https://www.youtube.com/watch?v=fVe0vtyZURw">https://www.youtube.com/watch?v=fVe0vtyZURw</a>	Dr Pramod R Padole
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>	Dr Pramod R Padole	Unit-III Heterocyclic Compounds Part-I (Pyrrole) Defination of Heterocyclic compounds, Nomenclature of heterocycles, Classification of heterocyclic compounds & Preparations	<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>	Dr Pramod R Padole

			of Pyrrole		
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) Molecular orbital diagram of pyrrole	<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>
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/T37iOOQ13sQM">https://youtu.be/T37iOOQ13sQM</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	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iii-pyrrole-by-dr-">https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-part-iii-pyrrole-by-dr-</a>	<b>Dr Pramod</b>			

Pyrrole, Basic Nature (or Character) of Pyrrole, Acidic Nature of Pyrrole,	<a href="https://www.slideshare.net/pramodpadole35/heterocyclic-compounds-parti-pyrrole-by-dr-pramod-r-padole">pramod-r-padole</a>	<b>d R Padole</b>			
Heterocyclic Compounds, Nomenclature of Heterocycles, Classification of Heterocyclic Compounds, a) 5-membered Heterocyclic compounds, Preparation 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>			
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>Pramod R Padole</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
Introduction of University Chemistry Syllabus of B. Sc.- Part-I (Sem-II)	<a href="https://www.slideshare.net/pramodpadole35/introduction-of-university-chemistry-syllabus-of-b-scpart-i-semii-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/introduction-of-university-chemistry-syllabus-of-b-scpart-i-semii-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B.Sc. (Sem-II) Unit III (A) Alkenyl Halides	<a href="https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-a-alkenyl-halides-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-a-alkenyl-halides-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B.Sc. Sem-II Unit-III (B) Aryl halides	<a href="https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-b-aryl-halides-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-b-aryl-halides-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B.Sc. Sem-II (Unit-III) (C) Alcohols	<a href="https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-c-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-semii-unitiii-c-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B. Sc. Part - I (Sem-II) Unit-IV (A) Phenols	<a href="https://www.slideshare.net/pramodpadole35/b-sc-part-i-semii-unitiv-a-phenols-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/b-sc-part-i-semii-unitiv-a-phenols-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B.Sc. Part-I (Sem-II) Unit-IV (B) Ethers	<a href="https://www.slideshare.net/pramodpadole35/bsc-part-i-semii-unitiv-b-ethers-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/bsc-part-i-semii-unitiv-b-ethers-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
B. Sc. Part - I (Sem-II) Unit-IV (C) Epoxides	<a href="https://www.slideshare.net/pramodpadole35/b-sc-part-i-semii-unitiv-c-epoxides-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/b-sc-part-i-semii-unitiv-c-epoxides-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			

**B. Sc. Part – II (Semester – IV)**

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
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			
Benzene Diazonium Chloride	<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
Introduction of University Chemistry Syllabus B. Sc.-III (Sem-VI)	<a href="https://www.slideshare.net/pramodpadole35/introduction-of-university-chemistry-syllabus-b-sciii-semvi-session-202021-by-dr-pramod-r-padole">https://www.slideshare.net/pramodpadole35/introduction-of-university-chemistry-syllabus-b-sciii-semvi-session-202021-by-dr-pramod-r-padole</a>	Dr Pramod R Padole			
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			

M. Sc. Part – II (Semester – III)

Notes and PowerPoints			Links to Video Lectures		
Topic	Link	Teacher	Topic	Link	Teacher
Nuclear Magnetic Resonance Spectroscopy	<a href="https://www.slideshare.net/pramodpadole35/mscpartii-sem-iii-unit-iv-nuclear-magnetic-resonance-spectroscopy">https://www.slideshare.net/pramodpadole35/mscpartii-sem-iii-unit-iv-nuclear-magnetic-resonance-spectroscopy</a>	Dr Pramod R Padole			