

# 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	Topic	Link
		Handling of Phenol & its derivatives in Laboratory	<a href="https://youtu.be/TvkyWGv1CKQ">https://youtu.be/TvkyWGv1CKQ</a>
		Handling & Calibration of Potentiometer in Laboratory.	<a href="https://youtu.be/-hxrINyOX1o">https://youtu.be/-hxrINyOX1o</a>

### B. Sc. Part – II (Semester – III)

Notes and PowerPoints		Links to Video Lectures	
Topic	Link	Topic	Link
Electrochemistry	<a href="https://docs.google.com/presentation/d/1owHQQYsr1GF0BMDQI5O5zGu9uZY9y3IA/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1owHQQYsr1GF0BMDQI5O5zGu9uZY9y3IA/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true</a>		
Liquid State	<a href="https://docs.google.com/presentation/d/1N9JNpBV7mUyvMyBWpK2gNTtJVD7jnw9q/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1N9JNpBV7mUyvMyBWpK2gNTtJVD7jnw9q/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true</a>		
Phase Rule	<a href="https://docs.google.com/presentation/d/1SM-9td2ysYaUy2IyZbCwMZ8NR-Mgd7Rv/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/1SM-9td2ysYaUy2IyZbCwMZ8NR-Mgd7Rv/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true</a>		

### B. Sc. Part – III (Semester – V)

Notes and PowerPoints		Links to Video Lectures	
Topic	Link	Topic	Link



# Shri Shivaji Science College, Amravati

E – Contents for Under Graduate Students

Department of \_Chemistry\_ Chemistry\_\_\_\_\_

## B. Sc. Part – I (Semester – II)

Notes and PowerPoints		Links to Video Lectures	
Topic	Link	Topic	Link
Chemical Kinetics	<a href="https://docs.google.com/presentation/d/19GH3exilju6-smAWwGCKozM5LMk2rMe/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true">https://docs.google.com/presentation/d/19GH3exilju6-smAWwGCKozM5LMk2rMe/edit?usp=sharing&amp;oid=112095495351507775519&amp;rtpof=true&amp;sd=true</a>		

## B. Sc. Part – II (Semester – IV)

Notes and PowerPoints		Links to Video Lectures	
Topic	Link	Topic	Link
		Crystalline State	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Amorphous Solid	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Crystallography	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Law of Crystallography	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Inter planer distance in cubic system	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Inter planer distances ratio is summarized	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Bravais lattices and crystal systems	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Number of constituent unit in the Cubic Unit Cell	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Bragg's equation and experimental Methods	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Structure of some common crystals.	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/Nf_Tqm0wX0</a>
		Colligative Properties & their importance	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Elevation of boiling point of ebullioscopy	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Relationship between elevation of boiling point & molecular weight of solute	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Cottrell's method of determination of elevation of boiling	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>

		point.	
		Depression of freezing point of cryoscopy	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Relationship between Depression of freezing point & molecular weight of solute	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Rast Method for determination of molar mass of solute	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Abnormal behaviour of solution.	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Vant Hoff Factor	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Determination of degree of dissociation	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>
		Solid State Chemistry	<a href="https://youtu.be/Nf_Tqm0wX0">https://youtu.be/ Nf_Tqm0wX0</a>
		Colligative Properties	<a href="https://youtu.be/5krd0vfTj9w">https://youtu.be/5krd0vfTj9w</a>

**B. Sc. Part – III (Semester – VI)**

<b>Notes and PowerPoints</b>		<b>Links to Video Lectures</b>	
<b>Topic</b>	<b>Link</b>	<b>Topic</b>	<b>Link</b>