

## List of You Tube videos for III B.Sc Students(Sem-5) - 60

Name of the Lecturer: **B Sateesh Kumar**

HOD of Chemistry & Vice Principal

You Tube channel Name: [SATEESH KEYS](#)

|                                                                     |                                                                         |
|---------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1.Draw the structure of Hemoglobin                                  | <a href="https://youtu.be/tOXuPu1D9KI">https://youtu.be/tOXuPu1D9KI</a> |
| 2.About Hemoglobin                                                  | <a href="https://youtu.be/EbirywYgV7Y">https://youtu.be/EbirywYgV7Y</a> |
| 3.Inert & labile complexes                                          | <a href="https://youtu.be/WiKKFywV-zo">https://youtu.be/WiKKFywV-zo</a> |
| 4.SN1 SN2 Reactions in metal complexes                              | <a href="https://youtu.be/W8S50w2Eoos">https://youtu.be/W8S50w2Eoos</a> |
| 5.Essential non essential elements                                  | <a href="https://youtu.be/eb3Efu5g-_Q">https://youtu.be/eb3Efu5g-_Q</a> |
| 6.Temperature effect on Rate                                        | <a href="https://youtu.be/zluNyESEXEU">https://youtu.be/zluNyESEXEU</a> |
| 7.Concept of Activation Energy                                      | <a href="https://youtu.be/w0VqbEPYqzs">https://youtu.be/w0VqbEPYqzs</a> |
| 8. Chemical properties of Furan/Pyrrole/Thiophene                   | <a href="https://youtu.be/UD-05_yV5qU">https://youtu.be/UD-05_yV5qU</a> |
| 9.Chemical properties of Glucose                                    | <a href="https://youtu.be/5nU55kGMXc0">https://youtu.be/5nU55kGMXc0</a> |
| 10. Photo chemical reaction between H <sub>2</sub> ,Cl <sub>2</sub> | <a href="https://youtu.be/eTU_0E0dEWY">https://youtu.be/eTU_0E0dEWY</a> |
| 11. Nef Reaction Mechanism                                          | <a href="https://youtu.be/e3wPGfM11_w">https://youtu.be/e3wPGfM11_w</a> |
| 12. Micheal addition reaction                                       | <a href="https://youtu.be/gl1EZev7zmc">https://youtu.be/gl1EZev7zmc</a> |
| 13. Mannich reaction of nitro alkanes                               | <a href="https://youtu.be/y7IGGqkrRbs">https://youtu.be/y7IGGqkrRbs</a> |
| 14. Chemical properties of amino acids                              | <a href="https://youtu.be/-tv74kusan8">https://youtu.be/-tv74kusan8</a> |
| 15. Reactions of $\alpha,\beta,\gamma$ -amino acids reactions       | <a href="https://youtu.be/j2L4GZDF6Fo">https://youtu.be/j2L4GZDF6Fo</a> |
| 16.Acidity of Pyrrole                                               | <a href="https://youtu.be/S5ph04vhzVY">https://youtu.be/S5ph04vhzVY</a> |
| 17.Concept of Isoelectric Point                                     | <a href="https://youtu.be/op179OIBJNg">https://youtu.be/op179OIBJNg</a> |
| 18. Zwitter ion (amino acid )                                       | <a href="https://youtu.be/sIJ4ramSVXA">https://youtu.be/sIJ4ramSVXA</a> |
| 19.Preparations methods of Pyrrole                                  | <a href="https://youtu.be/nLIEgPd2pv0">https://youtu.be/nLIEgPd2pv0</a> |

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| 20. Preparations methods of Furan                                    | <a href="https://youtu.be/A8s_FIQ7e8c">https://youtu.be/A8s_FIQ7e8c</a> |
| 21. Preparations of Thiophene                                        | <a href="https://youtu.be/3AynHtrpwE8">https://youtu.be/3AynHtrpwE8</a> |
| 22. Preparations of amines                                           | <a href="https://youtu.be/iZLf2OE174E">https://youtu.be/iZLf2OE174E</a> |
| 23. amines Diazotization                                             | <a href="https://youtu.be/NOEzeFoJ0VM">https://youtu.be/NOEzeFoJ0VM</a> |
| 24. Separation of amines by Hinsberg method                          | <a href="https://youtu.be/kJpmPO89RsA">https://youtu.be/kJpmPO89RsA</a> |
| 25. D-Fructose to D-Glucose                                          | <a href="https://youtu.be/fOA1K9LJGkk">https://youtu.be/fOA1K9LJGkk</a> |
| 26. D-Glucose to D-Fructose                                          | <a href="https://youtu.be/KIsSaxEQLpU">https://youtu.be/KIsSaxEQLpU</a> |
| 27. Strecker synthesis                                               | <a href="https://youtu.be/n51utSKvYQc">https://youtu.be/n51utSKvYQc</a> |
| 28. Hoffmann Degradation                                             | <a href="https://youtu.be/bQLTShckM2M">https://youtu.be/bQLTShckM2M</a> |
| 29. Amines by Schmidt Reaction                                       | <a href="https://youtu.be/wxnQCOK1umg">https://youtu.be/wxnQCOK1umg</a> |
| 30. Nitroalkanes halogenations ,Reaction with HNO <sub>2</sub>       | <a href="https://youtu.be/0iJNVYQC2fU">https://youtu.be/0iJNVYQC2fU</a> |
| 31. Gabriel Phthalimide Reaction                                     | <a href="https://youtu.be/ecyL3F6N0qs">https://youtu.be/ecyL3F6N0qs</a> |
| 32. Preparations of Nitro alkanes                                    | <a href="https://youtu.be/8JpKJkZp4H4">https://youtu.be/8JpKJkZp4H4</a> |
| 33. Preparation Methods of Alpha-amino acids                         | <a href="https://youtu.be/w94yw94H46w">https://youtu.be/w94yw94H46w</a> |
| 34. Photo chemical reaction between H <sub>2</sub> , Br <sub>2</sub> | <a href="https://youtu.be/_PTVn3h_eAk">https://youtu.be/_PTVn3h_eAk</a> |
| 35. Similarities of Glucose, Fructose                                | <a href="https://youtu.be/pEYbtziSWxw">https://youtu.be/pEYbtziSWxw</a> |
| 36. Ruff Degradation                                                 | <a href="https://youtu.be/jZmAbX-BLc4">https://youtu.be/jZmAbX-BLc4</a> |
| 37. Killiani Fischer Synthesis                                       | <a href="https://youtu.be/LOn7hZUB244">https://youtu.be/LOn7hZUB244</a> |
| 38. Nef Reaction                                                     | <a href="https://youtu.be/TYYh3DVXiMA">https://youtu.be/TYYh3DVXiMA</a> |
| 39. Fructose to glucose                                              | <a href="https://youtu.be/x1GdeSp0rlw">https://youtu.be/x1GdeSp0rlw</a> |
| 40. Glucose to Fructose                                              | <a href="https://youtu.be/sJY0dqYnawI">https://youtu.be/sJY0dqYnawI</a> |
| 41. Fructose molecular structure determination                       | <a href="https://youtu.be/rqRhSStz__w">https://youtu.be/rqRhSStz__w</a> |

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| 42. Fructose chemical Properties              | <a href="https://youtu.be/E6zCG9OvGZ0">https://youtu.be/E6zCG9OvGZ0</a>   |
| 43. Ring Structure of fructose                | <a href="https://youtu.be/rqRhSStz__w">https://youtu.be/rqRhSStz__w</a>   |
| 44. Introduction and preparations of fructose | <a href="https://youtu.be/wTONKiO9ScQ">https://youtu.be/wTONKiO9ScQ</a>   |
| 45. Ring structure of Glucose                 | <a href="https://youtu.be/goHPT2oCv1k">https://youtu.be/goHPT2oCv1k</a>   |
| 46. Reactions of Glucose                      | <a href="https://youtu.be/CKgH12b0T-g">https://youtu.be/CKgH12b0T-g</a>   |
| 47. Reactions of glucose                      | <a href="https://youtu.be/TWWhySmev1aE">https://youtu.be/TWWhySmev1aE</a> |
| 48. Lab-azo dye test                          | <a href="https://youtu.be/an7HzEg6Blg">https://youtu.be/an7HzEg6Blg</a>   |
| 49. Carbonyl compounds tests                  | <a href="https://youtu.be/WgcUNqKdCRk">https://youtu.be/WgcUNqKdCRk</a>   |
| 50. Tests of carbohydrates Lab-               | <a href="https://youtu.be/83ueQ61924A">https://youtu.be/83ueQ61924A</a>   |
| 51. Tests of phenol and urea                  | <a href="https://youtu.be/_kQPKwt1Qes">https://youtu.be/_kQPKwt1Qes</a>   |
| 52. Tests of Carbohydrates Lab                | <a href="https://youtu.be/r1nOKEUXImw">https://youtu.be/r1nOKEUXImw</a>   |
| 54. Pyridine- Heterocyclic compounds part-4   | <a href="https://youtu.be/K-pC7qsYjmU">https://youtu.be/K-pC7qsYjmU</a>   |
| 55. Heterocyclic compounds part-3             | <a href="https://youtu.be/um1EdSaBtdA">https://youtu.be/um1EdSaBtdA</a>   |
| 56. Heterocyclic compounds Part-2             | <a href="https://youtu.be/AzaxAkS2DFs">https://youtu.be/AzaxAkS2DFs</a>   |
| 57. Heterocyclic compounds Part-1             | <a href="https://youtu.be/vzFxcBIXqbU">https://youtu.be/vzFxcBIXqbU</a>   |
| 58. Photo sensitization                       | <a href="https://youtu.be/hBt3ZS421CA">https://youtu.be/hBt3ZS421CA</a>   |
| 59. Concept of Phosphorescence                | <a href="https://youtu.be/syLrX9uZm0">https://youtu.be/syLrX9uZm0</a>     |
| 60. Concept of Fluorescence                   | <a href="https://youtu.be/ZDLaQn5RhUg">https://youtu.be/ZDLaQn5RhUg</a>   |
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**List of You Tube videos for III B.Sc (Sem-6) Students-09**  
**(Environmental Chemistry)**

Name of the Lecturer: **B Sateesh Kumar**

HOD of Chemistry & Vice Principal

You Tube channel Name: [SATEESH KEYS](#)

|                                              |                                                                         |
|----------------------------------------------|-------------------------------------------------------------------------|
| 1. Eutrophication                            | <a href="https://youtu.be/Fwls05LpMj0">https://youtu.be/Fwls05LpMj0</a> |
| 2. Industrial waste water treatment          | <a href="https://youtu.be/fUbvpeEmTYk">https://youtu.be/fUbvpeEmTYk</a> |
| 3. Ozone formation and reasons for depletion | <a href="https://youtu.be/mLbP7ylZgqc">https://youtu.be/mLbP7ylZgqc</a> |
| 4. Bhopal gas tragedy                        | <a href="https://youtu.be/XKvz7DhSScM">https://youtu.be/XKvz7DhSScM</a> |
| 5. Oxygen reactions in environment           | <a href="https://youtu.be/Wugkby_UVQg">https://youtu.be/Wugkby_UVQg</a> |
| 6. Nomenclature of environment               | <a href="https://youtu.be/oP0IGpFqSXC">https://youtu.be/oP0IGpFqSXC</a> |
| 7. Model question paper                      | <a href="https://youtu.be/a85YV1OJUUG">https://youtu.be/a85YV1OJUUG</a> |
| 8. Air pollution                             | <a href="https://youtu.be/7sE7cGd0Q2Y">https://youtu.be/7sE7cGd0Q2Y</a> |
| 9. Acid rain and greenhouse effect           | <a href="https://youtu.be/5xzz5wKkEh8">https://youtu.be/5xzz5wKkEh8</a> |
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III B.Sc Chemistry Cluster chemistry VIII C<sub>2</sub>  
(Advanced Organic Reactions)

Name of the Lecturer: **B Sateesh Kumar**

HOD of Chemistry & Vice Principal

You Tube channel name: [SATEESH KEYS](#)

|                                            |                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------|
| 1. Mannich reaction/Mannich base (English) | <a href="https://youtu.be/5pjC-wyC85w">https://youtu.be/5pjC-wyC85w</a> |
| 2. Mannich reaction/Mannich base (Telugu)  | <a href="https://youtu.be/w5X6vXvAeJY">https://youtu.be/w5X6vXvAeJY</a> |
| 3. Robinson annulations (English)          | <a href="https://youtu.be/mEvFDc3JBjY">https://youtu.be/mEvFDc3JBjY</a> |
| 4. Robinson annulation (Telugu)            | <a href="https://youtu.be/HMHSdmvw1dA">https://youtu.be/HMHSdmvw1dA</a> |
| 5. Shapiro Reaction (English)              | <a href="https://youtu.be/Xglt2Sle1Qw">https://youtu.be/Xglt2Sle1Qw</a> |
| 6. Shapiro Reaction (Telugu)               | <a href="https://youtu.be/SXvHSdzUyyg">https://youtu.be/SXvHSdzUyyg</a> |
| 7. Wittig Reaction (Eng)                   | <a href="https://youtu.be/8nDXdaZDcUY">https://youtu.be/8nDXdaZDcUY</a> |
| 8. Wittig Reaction (Telugu)                | <a href="https://youtu.be/P5v72RcFG6Q">https://youtu.be/P5v72RcFG6Q</a> |
| 9. Stork-Enamine reaction (English)        | <a href="https://youtu.be/zaz4ivmHv44">https://youtu.be/zaz4ivmHv44</a> |
| 10. Concept of PTC (English)               | <a href="https://youtu.be/l99lQun5sLY">https://youtu.be/l99lQun5sLY</a> |
| 11. Concept of PTC (Telugu)                | <a href="https://youtu.be/CzTQaEUrR5w">https://youtu.be/CzTQaEUrR5w</a> |
| 12. Baylis-Hillman Reaction (English)      | <a href="https://youtu.be/prq2SEQLyao">https://youtu.be/prq2SEQLyao</a> |
| 13. Baylis-Hillman Reaction (Telugu)       | <a href="https://youtu.be/NG68IsPyB6o">https://youtu.be/NG68IsPyB6o</a> |
| 14. Grubbs Catalysts (Telugu)              | <a href="https://youtu.be/ze5k60Dy47w">https://youtu.be/ze5k60Dy47w</a> |
| 15. Grubbs Olefin Metathesis (Telugu)      | <a href="https://youtu.be/tuZPkBg5dp0">https://youtu.be/tuZPkBg5dp0</a> |
| 16. Grubbs Olefin Metathesis (English)     | <a href="https://youtu.be/oMjX_tMdVFM">https://youtu.be/oMjX_tMdVFM</a> |
| 17. Grubbs RCM Reaction (Telugu)           | <a href="https://youtu.be/g1nDlo8rTil">https://youtu.be/g1nDlo8rTil</a> |
| 18. Grubbs RCM (English)                   | <a href="https://youtu.be/Bf8x2dXrZbs">https://youtu.be/Bf8x2dXrZbs</a> |

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|------------------------------------------|-------------------------------------------------------------------------|
| 19. Mitsunobu & Julia-Lythgoe Oleination | <a href="https://youtu.be/mF_jgmRNOdA">https://youtu.be/mF_jgmRNOdA</a> |
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