

NPTEL Video Lecture Topic List - Created by LinuXpert Systems, Chennai

NPTEL Video Course - Chemistry and Biochemistry - NOC: Introductory Organic Chemistry - II

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Co-ordinating Institute - IISER - Pune

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 1 - Introduction - 1
Lecture 2 - Essentials of NMR Spectroscopy - Part 1
Lecture 3 - Essentials of NMR Spectroscopy - Part 2
Lecture 4 - Essentials of NMR Spectroscopy - Part 3
Lecture 5 - Electrophilic Aromatic Substitution - Part 1
Lecture 6 - Electrophilic Aromatic Substitution - Part 2
Lecture 7 - Electrophilic Aromatic Substitution - Part 3
Lecture 8 - Tutorial - 1
Lecture 9 - Introduction - 2
Lecture 10 - Electrophilic Aromatic Substitution in Phenols
Lecture 11 - EAS_Effect of Electron Donating group
Lecture 12 - EAS_Effect of Electron Withdrawing group
Lecture 13 - Nucleophilic aromatic substitution - Part 1
Lecture 14 - Nucleophilic aromatic substitution - Part 2
Lecture 15 - Special Topic_Hammond's Postulate
Lecture 16 - Tutorial-2 - Part 1
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Lecture 18 - Essentials of IR Spectroscopy
Lecture 19 - Introduction - 3
Lecture 20 - Basics of Carbonyl Compounds
Lecture 21 - Addition Reactions on Carbonyl functional group
Lecture 22 - Addition Reactions on Carbonyl functional group
Lecture 23 - Nucleophilic Addition Reactions and its stereochemistry
Lecture 24 - Nucleophilic Addition Reactions and its Stereochemistry
Lecture 25 - Tutorial - 3
Lecture 26 - Introduction - 4
Lecture 27 - Carboxylic acid and its derivatives - Part 1
Lecture 28 - Carboxylic acid and its derivatives - Part 2
Lecture 29 - Reactions of Carboxylic acid and its derivatives

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- Lecture 35 - Enols and Enolates_Molecular Orbital Picture
- Lecture 36 - Reactions of Enols and Enolates
- Lecture 37 - Tutorial - 5A
- Lecture 38 - Tutorial - 5B
- Lecture 39 - Introduction - 6
- Lecture 40 - Active methylene group
- Lecture 41 - Aldol and related Reactions
- Lecture 42 - Aldol Reactions: Specific enol equivalents - Part 1
- Lecture 43 - Aldol Reactions: Specific enol equivalents - Part 2
- Lecture 44 - Tutorial - 6
- Lecture 45 - Introduction - 7
- Lecture 46 - Conjugate Addition:1,2-addition and 1,4-addition
- Lecture 47 - Conjugate Addition: Kinetic versus thermodynamic products
- Lecture 48 - Conjugate Addition: Hard and Soft nucleophiles
- Lecture 49 - Enol and Enolate alkylation
- Lecture 50 - Regioselectivity of alkylation reactions
- Lecture 51 - Acylation of enol/enolates and related Name Reactions
- Lecture 52 - Tutorial-7: Felkin-Ahn Problems
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- Lecture 54 - Rearrangements - Part 1
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- Lecture 57 - Rearrangements - Part 4
- Lecture 58 - Named Reactions - Part 1
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- Lecture 61 - Conclusion