

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

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

Subject Co-ordinator - Prof. Harinath Chakrapani

Co-ordinating Institute - IIT - Madras

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

Lecture 1 - Introduction Structure of atom and molecules
Lecture 2 - Introduction to Molecular Orbital Theory - Part 1
Lecture 3 - Introduction to Molecular Orbital Theory - Part 2
Lecture 4 - Tutorial 01
Lecture 5 - Learning Objectives for week 2
Lecture 6 - Alkanes and Cycloalkanes - Part 1
Lecture 7 - Alkanes and Cycloalkanes - Part 2
Lecture 8 - Conformational Analysis of Cyclohexane - Part 1
Lecture 9 - Conformational Analysis of Cyclohexane - Part 2
Lecture 10 - Physical Properties of Alkanes
Lecture 11 - Nomenclature of Alkanes, Cycloalkanes and Bicycloalkanes
Lecture 12 - Tutorial 02
Lecture 13 - Learning Objectives for week 3
Lecture 14 - Chirality and Stereochemistry - Part 1
Lecture 15 - Chirality and Stereochemistry - Part 2
Lecture 16 - Chirality and Stereochemistry - Part 3
Lecture 17 - Tutorial 03
Lecture 18 - Learning Objectives for week 4
Lecture 19 - Acids and Bases - Part 1
Lecture 20 - Acids and Bases - Part 2
Lecture 21 - Acids and Bases - Part 3
Lecture 22 - Tutorial 04
Lecture 23 - Learning Objectives for week 5
Lecture 24 - Arrow Pushing mechanism in Organic Chemistry
Lecture 25 - Alkenes_Structure, Properties and Nomenclature
Lecture 26 - Reactions of Alkenes - Part 1
Lecture 27 - Reactions of Alkenes - Part 2
Lecture 28 - Reactions of Alkenes - Part 3
Lecture 29 - Tutorial 05 - Part 1

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Lecture 30 - Tutorial 05 - Part 2
Lecture 31 - Learning Objectives for week 6
Lecture 32 - Reactions of Alkenes - Part 4
Lecture 33 - Reactions of Alkenes - Part 5
Lecture 34 - Alkynes
Lecture 35 - Reactions of Alkynes - Part 1
Lecture 36 - Reactions of Alkynes - Part 2
Lecture 37 - Tutorial-6
Lecture 38 - Learning Objectives for week 7
Lecture 39 - Substitution and Elimination - Part 1
Lecture 40 - Substitution and Elimination - Part 2
Lecture 41 - Substitution and Elimination - Part 3
Lecture 42 - Substitution and Elimination - Part 4
Lecture 43 - Substitution and Elimination - Part 5
Lecture 44 - Tutorial-7
Lecture 45 - Learning Objectives for week 8
Lecture 46 - Alcohols - Part 1
Lecture 47 - Alcohols - Part 2
Lecture 48 - Alcohols - Part 3
Lecture 49 - Ethers and Epoxides - Part 1
Lecture 50 - Ethers and Epoxides - Part 2
Lecture 51 - Aromaticity
Lecture 52 - Tutorial-8