

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

NPTEL Video Course - Chemistry and Biochemistry - Polymer Chemistry

Subject Co-ordinator - Dr. D. Dhara

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction to Polymers
- Lecture 2 - Introduction to Polymers (Continued...)
- Lecture 3 - Introduction to Polymers (Continued...)
- Lecture 4 - Step - growth Polymerization
- Lecture 5 - Step - growth Polymerization (Continued...)
- Lecture 6 - Step - growth Polymerization (Continued...)
- Lecture 7 - Step - growth Polymerization (Continued...)
- Lecture 8 - Step - growth Polymerization (Continued...)
- Lecture 9 - Radical Chain Polymerization
- Lecture 10 - Radical Chain Polymerization (Continued...)
- Lecture 11 - Radical Chain Polymerization (Continued...)
- Lecture 12 - Radical Chain Polymerization (Continued...)
- Lecture 13 - Radical Chain Polymerization (Continued...)
- Lecture 14 - Radical Chain Polymerization (Continued...)
- Lecture 15 - Radical Chain Polymerization (Continued...)
- Lecture 16 - Radical Chain Polymerization (Continued...)
- Lecture 17 - Ionic Chain Polymerization
- Lecture 18 - Ionic Chain Polymerization (Continued...)
- Lecture 19 - Ionic Chain Polymerization (Continued...) and Chain Copolymerization
- Lecture 20 - Chain Copolymerization (Continued...)
- Lecture 21 - Chain Copolymerization (Continued...)
- Lecture 22 - Chain Copolymerization (Continued...) and Ring Opening Polymerization
- Lecture 23 - Polymer Stereochemistry and Coordination Polymerization
- Lecture 24 - Polymer Stereochemistry and Coordination Polymerization (Continued...)
- Lecture 25 - Polymer Solutions
- Lecture 26 - Polymer Solutions (Continued...)
- Lecture 27 - Polymer Solutions (Continued...)
- Lecture 28 - Polymer Solutions (Continued...) and Chain Dimensions
- Lecture 29 - Chain Dimensions (Continued...) and Frictional Properties of Solution

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- Lecture 30 - Frictional Properties of Solutions (Continued...) and Determination of Molecular Weight
- Lecture 31 - Determination of Molecular Weight of Polymers (Continued...)
- Lecture 32 - Determination of Molecular Weight of Polymers (Continued...)
- Lecture 33 - Determination of Molecular Weight of Polymers (Continued...)
- Lecture 34 - Structural Analysis of Polymers by Spectroscopic Methods
- Lecture 35 - Amorphous and Crystalline State
- Lecture 36 - Amorphous and Crystalline State
- Lecture 37 - Polymer Properties and Evaluation
- Lecture 38 - Polymer Properties and Evaluation
- Lecture 39 - Other Properties (Continued...) and Polymer Additives
- Lecture 40 - Polymer Additives (Continued...)
- Lecture 41 - Polymer Additives (Continued...), Blends, Concluding Remarks