

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

NPTEL Video Course - Chemistry and Biochemistry - NOC:Basics in Inorganic Chemistry

Subject Co-ordinator - Prof.Debabrata Maiti

Co-ordinating Institute - IIT - Bombay

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

Lecture 1 - Concept of Effective Nuclear Charge

Lecture 2 - Electronic Configuration of Elements

Lecture 3 - Properties of Elements (Size, IE, EA and EN)

Lecture 4 - Extraction of Metals

Lecture 5 - Ellingham Diagram

Lecture 6 - Thermit Process and Zone Refining

Lecture 7 - Coordination Chemistry

Lecture 8 - Crystal Field Theory

Lecture 9 - Crystal Field Theory

Lecture 10 - Crystal Field Theory

Lecture 11 - Application of CFSE

Lecture 12 - Introduction to Molecular Magnetism

Lecture 13 - Problem Solving Approach

Lecture 14 - Magnetism

Lecture 15 - Spectroscopic Term Symbol

Lecture 16 - Magnetic States of Matter

Lecture 17 - Introduction to Bio-Inorganic Chemistry

Lecture 18 - Metalloprotein (Hb, Mb, Transferrin) and Metalloenzyme (Plastocyanin)

Lecture 19 - Oxygen Transportation Mechanism

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