

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

NPTEL Video Course - Mining Engineering - NOC:Underground Mining of Metalliferous Deposits

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Co-ordinating Institute - IIT - Kharagpur

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

Lecture 1 - Metals and Civilisation
Lecture 2 - Mine Life Cycle
Lecture 3 - Present Status of Mineral Deposits
Lecture 4 - Present Status of Underground Mining
Lecture 5 - Terminology - I
Lecture 6 - Terminology - II
Lecture 7 - Determination of Cut Off Grade - I
Lecture 8 - Determination of Cut Off Grade - II
Lecture 9 - Determination of Cut Off Grade - III
Lecture 10 - Dilution
Lecture 11 - Recovery
Lecture 12 - Adit - I
Lecture 13 - Adit - II
Lecture 14 - Incline Shaft
Lecture 15 - Shaft - I
Lecture 16 - Shaft - II
Lecture 17 - Shaft - III
Lecture 18 - Horizontal Drivages - I
Lecture 19 - Horizontal Drivages - II
Lecture 20 - Horizontal Drivages - III
Lecture 21 - Horizontal Drivages - IV
Lecture 22 - Raising and Winzing - I
Lecture 23 - Raising and Winzing - II
Lecture 24 - Raising and Winzing - III
Lecture 25 - Raising and Winzing - IV
Lecture 26 - Selection of Mining Methods - I
Lecture 27 - Selection of Mining Methods - II
Lecture 28 - Selection of Mining Methods - III
Lecture 29 - Selection of Mining Methods - IV

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- Lecture 30 - Selection of Mining Methods - V
- Lecture 31 - Breast Stopping
- Lecture 32 - Sampling Practices
- Lecture 33 - Stope and Pillar - I
- Lecture 34 - Stope and Pillar - II
- Lecture 35 - Room and Pillar Mining - I
- Lecture 36 - Room and Pillar Mining - II
- Lecture 37 - Tributary area method
- Lecture 38 - Pillar Failure
- Lecture 39 - Shrinkage Stopping - I
- Lecture 40 - Shrinkage Stopping - II
- Lecture 41 - Cut and Fill stopping - I
- Lecture 42 - Cut and Fill stopping - II
- Lecture 43 - Cut and Fill stopping - III [Post Pillar Method]
- Lecture 44 - Backfill Materials
- Lecture 45 - Backfill Materials - II
- Lecture 46 - Rock Bolting - I
- Lecture 47 - Rock Bolting - II
- Lecture 48 - Cable Bolting
- Lecture 49 - Sublevel Stopping
- Lecture 50 - Long Hole Stopping
- Lecture 51 - Resuing Method of Stopping
- Lecture 52 - Square Set Stopping
- Lecture 53 - Vertical Crater Retreat Method - I
- Lecture 54 - Vertical Crater Retreat Method - II
- Lecture 55 - Sublevel Caving - I
- Lecture 56 - Sublevel Caving - II
- Lecture 57 - Block Caving - I
- Lecture 58 - Block Caving - II
- Lecture 59 - Safety in U/G Metal Mines - I
- Lecture 60 - Safety in U/G Metal Mines - II