

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

NPTEL Video Course - Civil Engineering - NOC:Soil Mechanics, Geotechnical Engineering-I

Subject Co-ordinator - Prof. Dilip Kumar Baidya

Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Rock cycle
- Lecture 2 - Soil Formation
- Lecture 3 - Soil Classification
- Lecture 4 - Soil Classification (Continued...)
- Lecture 5 - Soil Classification (Continued...)
- Lecture 6 - Three-phase diagram
- Lecture 7 - Three-phase diagram (Continued...)
- Lecture 8 - Permeability and seepage
- Lecture 9 - Permeability and Seepage (Continued...)
- Lecture 10 - Permeability and seepage (Continued...)
- Lecture 11 - Permeability And Seepage
- Lecture 12 - Permeability And Seepage (Continued...)
- Lecture 13 - Permeability And Seepage (Continued...)
- Lecture 14 - Compaction Of Soils
- Lecture 15 - Compaction Of Soils (Continued...)
- Lecture 16 - Deep Dynamic Compaction
- Lecture 17 - Permeability/Compaction (Continued...)
- Lecture 18 - Effective Stress
- Lecture 19 - Effective Stress (Continued...)
- Lecture 20 - Effective Stress Application
- Lecture 21 - Vertical Stress Distribution
- Lecture 22 - Boussinesq Point Load Formula
- Lecture 23 - Vertical Stress For Distributed Load
- Lecture 24 - Vertical Stress
- Lecture 25 - Vertical Stress (Continued...)
- Lecture 26 - Vertical Stress (Continued...)
- Lecture 27 - Shear Strength
- Lecture 28 - Shear Strength (Continued...)
- Lecture 29 - Shear Strength (Continued...)

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- Lecture 30 - Shear Strength (Continued...)
- Lecture 31 - Shear Strength (Continued...)
- Lecture 32 - Shear Strength (Continued...)
- Lecture 33 - Shear Strength (Continued...)
- Lecture 34 - Shear Strength (Continued...)
- Lecture 35 - Shear Strength (Continued...)
- Lecture 36 - Shear Strength (Continued...)
- Lecture 37 - Compressibility Of Soils
- Lecture 38 - Compressibility Of Soils (Continued...)
- Lecture 39 - Compressibility Of Soils (Continued...)
- Lecture 40 - Compressibility Of Soils (Continued...)
- Lecture 41 - Compressibility Of Soils (Continued...)
- Lecture 42 - Compressibility Of Soils (Continued...)
- Lecture 43 - Compressibility Of Soils (Continued...)
- Lecture 44 - Compressibility And Settlement Of Soil
- Lecture 45 - Compressibility And Settlement (Continued...)
- Lecture 46 - Compressibility And Secondary Compression
- Lecture 47 - Earth Pressure
- Lecture 48 - Earth Pressure (Continued...)
- Lecture 49 - Earth Pressure (Continued...)
- Lecture 50 - Earth Pressure (Continued...)
- Lecture 51 - Earth Pressure (Continued...)
- Lecture 52 - Earth Pressure (Continued...)
- Lecture 53 - Earth Pressure (Continued...)
- Lecture 54 - Earth Pressure (Continued...)
- Lecture 55 - Stability Of Slopes
- Lecture 56 - Stability Of Slopes (Continued...)
- Lecture 57 - Stability Of Slopes (Continued...)
- Lecture 58 - Slope Stability
- Lecture 59 - Slope Stability
- Lecture 60 - Concluding Remarks
- Lecture 61 - Live Session