

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

NPTEL Video Course - Civil Engineering - NOC:Plate Tectonics

Subject Co-ordinator - Prof. Pitambar Pati

Co-ordinating Institute - IIT - Roorkee

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

- Lecture 1 - Interior of Earth - I
- Lecture 2 - Interior of Earth - II
- Lecture 3 - Interior of Earth - III
- Lecture 4 - Interior of Earth - IV
- Lecture 5 - Interior of Earth - V
- Lecture 6 - Interior of Earth - VI
- Lecture 7 - Oceanic Crust - I
- Lecture 8 - Oceanic Crust - II
- Lecture 9 - Continental Crust - I
- Lecture 10 - Continental Crust - II
- Lecture 11 - Types of Plates and Plate Margins
- Lecture 12 - Basic Assumption of Plate Tectonics
- Lecture 13 - Relative Motion of Lithospheric Plates
- Lecture 14 - Euler's Theory on Lithospheric Plate Motion
- Lecture 15 - Constructive/Creative Plate Margin
- Lecture 16 - Slow and Fast Spreading Ridges
- Lecture 17 - Magma Chamber Properties at Mid-Oceanic Ridge
- Lecture 18 - Age-Depth Relationship Around the Mid-Oceanic Ridge
- Lecture 19 - Along Axis Segmentation of the Mid Oceanic Ridge
- Lecture 20 - Propagating Rifts and Microplate Development
- Lecture 21 - Conservative Plate Margin - I
- Lecture 22 - Conservative Plate Margin - II, Continental Transform Faults
- Lecture 23 - Conservative Plate Margin - III, Transform Continental Margins
- Lecture 24 - Conservative Plate Margin - IV, Continental Transform Faults
- Lecture 25 - Destructive Plate Margins - I
- Lecture 26 - Destructive Plate Margins - II, The Oceanic Trench
- Lecture 27 - Destructive Plate Margins - III, The Island Arc System
- Lecture 28 - Destructive Plate Margins - IV, The Back Arc Basin and Accretionary Prism
- Lecture 29 - Destructive Plate Margins - V, Seismicity in the Subduction Zone

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- Lecture 30 - Destructive Plate Margins - VI, Gravity Anomaly and Thermal Structure at Subduction Zone
- Lecture 31 - Magmatism and Metamorphism at Different Plate Settings - I, Magmatism at Subduction Zone
- Lecture 32 - Magmatism and Metamorphism at Different Plate Settings - II, Metamorphic at Subduction Zone
- Lecture 33 - Orogeny and Epiorogeny - I, Ocean-Continent Collision
- Lecture 34 - Orogeny and Epiorogeny - II, Continent-Continent Collision
- Lecture 35 - Orogeny and Epiorogeny - III, Arc-Continent Collision
- Lecture 36 - Fault Plane Solution
- Lecture 37 - Plate Tectonics and Mineralisation - I
- Lecture 38 - Plate Tectonics and Mineralisation - II
- Lecture 39 - Plate Tectonics and Mineralisation at Divergent Margins - III
- Lecture 40 - Plate Tectonics and Mineralisation at Divergent Margins - IV
- Lecture 41 - Plate Tectonics and Mineralisation at Convergent Margins - V
- Lecture 42 - Plate Tectonics and Mineralisation at Convergent Margins - VI
- Lecture 43 - Plate Tectonics and Mineralisation at Convergent Margins - VII
- Lecture 44 - Plate Tectonics and Mineralisation at Intraplate Tectono-Metallogenic System - VIII
- Lecture 45 - Plate Tectonics and Hydrocarbon Exploration - I
- Lecture 46 - Plate Tectonics and Hydrocarbon Exploration - II
- Lecture 47 - Plate Tectonics and Climate Change
- Lecture 48 - Stability of Triple Junction
- Lecture 49 - Volcano
- Lecture 50 - Volcano and its Products - I
- Lecture 51 - Volcano and its Products - II
- Lecture 52 - Himalayan Tectonics - I
- Lecture 53 - Himalayan Tectonics - II
- Lecture 54 - Indian Seismicity
- Lecture 55 - Neotectonics - I
- Lecture 56 - Neotectonics - II
- Lecture 57 - Continental Drift - I
- Lecture 58 - Continental Drift - II
- Lecture 59 - Seafloor Spreading
- Lecture 60 - Global Positioning System (GPS) and Plate