

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

NPTEL Video Course - Civil Engineering - NOC:The Evolution of the Earth and life

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Co-ordinating Institute - IIT - Madras

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

- Lecture 1 - Course Structure
- Lecture 2 - Introduction to Google Earth
- Lecture 3 - How Does Earth Science Work ?
- Lecture 4 - What is a Mineral
- Lecture 5 - Minerals and Rock Cycle
- Lecture 6 - Continental Drift
- Lecture 7 - Plate Tectonics
- Lecture 8 - What are Igneous Rocks ?
- Lecture 9 - Compositional Variation of Igneous Rocks
- Lecture 10 - Why Does the Rock Melt ?
- Lecture 11 - Igneous Activity and Plate Tectonics
- Lecture 12 - Igneous Structures
- Lecture 13 - Volcanoes
- Lecture 14 - Discussion on Posted Questions
- Lecture 15 - What are Metamorphic Rocks
- Lecture 16 - Types of Metamorphism
- Lecture 17 - Metamorphism and Plate Tectonics
- Lecture 18 - Weathering and Erosion
- Lecture 19 - Detrital Sedimentary Rocks
- Lecture 20 - Chemical and Organic Sedimentary Rocks
- Lecture 21 - Sedimentary Environment and Plate Tectonics
- Lecture 22 - Discussion on Conceptual Questions
- Lecture 23 - Discussion on Posted Questions
- Lecture 24 - Diversity of Life
- Lecture 25 - Why Do Groups Change ?
- Lecture 26 - Nature of Paleontological Data
- Lecture 27 - Introduction to PaleoDB
- Lecture 28 - Relative Age
- Lecture 29 - Correlation

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- Lecture 30 - Attempts to Estimate Absolute Age
- Lecture 31 - Radiometric Dating
- Lecture 32 - Rocks Full of Life
- Lecture 33 - Discussion on Posted Questions_3
- Lecture 34 - The Beginning
- Lecture 35 - The Formation of the Planets and Moon
- Lecture 36 - The Formation of the Continents
- Lecture 37 - The Formation of the Atmosphere and Ocean
- Lecture 38 - Origin of Life: Initial Ideas
- Lecture 39 - Origin of Life: Which Biomolecules Came First ?
- Lecture 40 - Origin of Life: Where did it all Start ?
- Lecture 41 - Evidence of Early Life
- Lecture 42 - Proterozoic Events and Life
- Lecture 43 - Discussion on Posted Questions_4
- Lecture 44 - Cambrian Earth and Life
- Lecture 45 - Cambrian Explosion
- Lecture 46 - Journey to Land: Fishes and Tetrapods
- Lecture 47 - Journey to Land: Transitional Forms
- Lecture 48 - Appearance of Amniotes
- Lecture 49 - Dinosaurs
- Lecture 50 - Dinosaurs Footprints
- Lecture 51 - Appearance of Feathers
- Lecture 52 - Mass Extinctions and Their Impact
- Lecture 53 - K-Pg Extinction: Patterns
- Lecture 54 - K-Pg Extinction: Mechanisms
- Lecture 55 - Paleoclimatic Reconstruction
- Lecture 56 - Cenozoic Climate
- Lecture 57 - Recovery from K-Pg: Paleogene Event
- Lecture 58 - Who are Whales ?
- Lecture 59 - Discussion on Posted Questions_5
- Lecture 60 - Development of Bipedality
- Lecture 61 - Early Hominids
- Lecture 62 - Megafaunal Extinction
- Lecture 63 - Recent Extinctions
- Lecture 64 - Anthropocene and Future
- Lecture 65 - Discussion on Posted Questions_6