

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

NPTEL Video Course - Basic Courses (Semester 1 and 2) - Mathematics I

Subject Co-ordinator - Prof. Swagato K. Ray, Prof. Shobha Madan, Dr. P. Shunmugaraj

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Real Number
Lecture 2 - Sequences I
Lecture 3 - Sequences II
Lecture 4 - Sequences III
Lecture 5 - Continuous Function
Lecture 6 - Properties of Continuous Function
Lecture 7 - Uniform Continuity
Lecture 8 - Differentiable Functions
Lecture 9 - Mean Value Theorem
Lecture 10 - Maxima - Minima
Lecture 11 - Taylor's Theorem
Lecture 12 - Curve Sketching
Lecture 13 - Infinite Series I
Lecture 14 - Infinite Series II
Lecture 15 - Tests of Convergence
Lecture 16 - Power Series
Lecture 17 - Riemann Integral
Lecture 18 - Riemann Integrable Functions
Lecture 19 - Applications of Riemann Integral
Lecture 20 - Length of a curve
Lecture 21 - Line Integrals
Lecture 22 - Functions of Several Variables
Lecture 23 - Differentiation
Lecture 24 - Derivatives
Lecture 25 - Mean Value Theorem
Lecture 26 - Maxima Minima
Lecture 27 - Method of Lagrange Multipliers
Lecture 28 - Multiple Integrals
Lecture 29 - Surface Integrals

Get Digi-MAT (Digital Media Access Terminal) For High-Speed Video Streaming of NPTEL and Educational Video Courses in LAN

www.digimat.in

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

- Lecture 30 - Green's Theorem
- Lecture 31 - Stokes Theorem
- Lecture 32 - Gauss Divergence Theorem