

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

NPTEL Video Course - Mathematics - NOC:Basic Calculus for Engineers, Scientists and Economists

Subject Co-ordinator - Dr. Joydeep Dutta

Co-ordinating Institute - IIT - Kanpur

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

Lecture 1 - Numbers  
Lecture 2 - Functions-1  
Lecture 3 - Sequence-1  
Lecture 4 - Sequence-2  
Lecture 5 - Limits and Continuity-1  
Lecture 6 - Limits and Continuity-2  
Lecture 7 - Limits And Continuity-3  
Lecture 8 - Derivative-1  
Lecture 9 - Derivative-2  
Lecture 10 - Maxima And Minima  
Lecture 11 - Mean-Value Theorem And Taylors Expansion-1  
Lecture 12 - Mean-Value Theorem And Taylors Expansion-2  
Lecture 13 - Integration-1  
Lecture 14 - Integration-2  
Lecture 15 - Integration By Parts  
Lecture 16 - Definite Integral  
Lecture 17 - Riemann Integration-1  
Lecture 18 - Riemann Integration-2  
Lecture 19 - Functions Of Two Or More Variables  
Lecture 20 - Limits And Continuity Of Functions Of Two Variable  
Lecture 21 - Differentiation Of Functions Of Two Variables-1  
Lecture 22 - Differentiation Of Functions Of Two Variables-2  
Lecture 23 - Unconstrained Minimization Of Funtions Of Two Variables  
Lecture 24 - Constrained Minimization And Lagrange Multiplier Rules  
Lecture 25 - Infinite Series-1  
Lecture 26 - Infinite Series-2  
Lecture 27 - Infinite Series-3  
Lecture 28 - Multiple Integrals-1  
Lecture 29 - Multiple Integrals-2

---

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

[www.digimat.in](http://www.digimat.in)

Lecture 30 - Multiple Integrals-3