

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

NPTEL Video Course - Civil Engineering - NOC:Fire Protection, Services and Maintenance Management of Building

Subject Co-ordinator - Dr. B. Bhattacharjee

Co-ordinating Institute - IIT - Delhi

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

- Lecture 1 - Basic concepts of Fire Protection - I
- Lecture 2 - Basic concepts of Fire Protection - II
- Lecture 3 - Fire Resistance
- Lecture 4 - Introduction Process of Combustion
- Lecture 5 - ventilation and fuel Process of Combustion controlled fire
- Lecture 6 - Process of Combustion
- Lecture 7 - Effect of Fire on Construction Materials
- Lecture 8 - Design for Fire Resistance
- Lecture 9 - Design for Fire Resistance
- Lecture 10 - Design for Fire Resistance
- Lecture 11 - Fire Safety
- Lecture 12 - Fire Safety
- Lecture 13 - Fire safety
- Lecture 14 - Fire Safety
- Lecture 15 - Introduction to Lift Design
- Lecture 16 - Design of Lift systems
- Lecture 17 - Design of Lift systems
- Lecture 18 - Design of Lift systems
- Lecture 19 - Design of Lift systems
- Lecture 20 - Introduction to System and Flow Systems
- Lecture 21 - Water Supply System
- Lecture 22 - Water Supply System
- Lecture 23 - Diversity factor (Continued...)
- Lecture 24 - Control Systems
- Lecture 25 - Introduction to HVAC
- Lecture 26 - Governing Equations for HVAC Process
- Lecture 27 - Numerical Problem on HVAC System
- Lecture 28 - Numerical Problem on HVAC System (Continued...)
- Lecture 29 - Psychrometric Chart

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- Lecture 30 - Flow in Pipe Networks and Fixture Units
- Lecture 31 - Flow in Pipe Networks (Continued...) and Design of Water Supply Distribution System
- Lecture 32 - Design of Water Supply Distribution System (Continued...) and Flow in Waste Water pipes
- Lecture 33 - Electrical Systems (introduction)
- Lecture 34 - Design of Electrical Systems
- Lecture 35 - Intelligent Building
- Lecture 36 - Life cycle cost and basics of building maintenance
- Lecture 37 - Stages of maintenance management
- Lecture 38 - Planning for building maintenance
- Lecture 39 - Periodicity of maintenance management
- Lecture 40 - Estimation of repair cycle
- Lecture 41 - Cost profile of maintenance
- Lecture 42 - Lamp replacement
- Lecture 43 - Building inspection, Planned and Ad-hoc maintenance
- Lecture 44 - Condition survey and health evaluation of buildings
- Lecture 45 - Diagnosis of building by visual survey
- Lecture 46 - Case studies of visual survey
- Lecture 47 - Effect of corrosion and Alkali Aggregate Reaction
- Lecture 48 - Sampling and choice of test location
- Lecture 49 - Non Destructive Testing - 1
- Lecture 50 - Non Destructive Testing - 2
- Lecture 51 - Core strength test
- Lecture 52 - Carbonation and Chloride measurement
- Lecture 53 - Electrical methods of progress measurement
- Lecture 54 - Repair, Rehabilitation and Retrofit
- Lecture 55 - Periodicity and economics of condition survey
- Lecture 56 - Interpretation of test results