

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

NPTEL Video Course - Mechanical Engineering - Refrigeration and Air Conditioning

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - History of Refrigeration
- Lecture 2 - Refrigerant Compressors & Development
- Lecture 3 - Applications of RTAC
- Lecture 4 - Review of Fundamentals Thermodynamics - I
- Lecture 5 - Review of Fundamentals
- Lecture 6 - Fundamentals of Fluid Flow
- Lecture 7 - Fundamentals of Heat Transfer
- Lecture 8 - Methods of Producing low Temperatures
- Lecture 9 - Air Cycle Refrigeration Systems
- Lecture 10 - Vapour Compression Refrigeration Systems
- Lecture 11 - Vapour Compression Refrigeration Systems (Continued...)
- Lecture 12 - Vapour Compression Refrigeration Systems (Continued...)
- Lecture 13 - Vapour Compression Refrigeration Systems (Continued...)
- Lecture 14 - Vapour Absorption Refrigeration Systems
- Lecture 15 - Vapour Absorption Refrigeration System
- Lecture 16 - Vapour Absorption Refrigeration Systems (Continued...)
- Lecture 17 - Vapour Absorption Refrigeration Systems (Continued...)
- Lecture 18 - Worked Out Examples - I
- Lecture 19 - Worked Out Examples - II
- Lecture 20 - Refrigeration System Components
- Lecture 21 - Refrigeration System Components
- Lecture 22 - Refrigeration System Components
- Lecture 23 - Refrigeration System Components
- Lecture 24 - Refrigeration System Components
- Lecture 25 - Refrigeration System Components
- Lecture 26 - Refrigeration System Components
- Lecture 27 - Refrigeration System Components
- Lecture 28 - Refrigeration System Components
- Lecture 29 - Refrigeration System Components

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- Lecture 30 - Refrigeration System Components
- Lecture 31 - Refrigeration System Components
- Lecture 32 - Analysis of Complete Vapour Compression System
- Lecture 33 - Refrigerants
- Lecture 34 - Psychrometry
- Lecture 35 - Psychrometric Processes
- Lecture 36 - Inside Design Condition Thermal Comfort
- Lecture 37 - Psychrometry of Air Conditioning Systems
- Lecture 38 - Air Conditioning Systems
- Lecture 39 - Cooling and Heating Load Calculation
- Lecture 40 - Cooling and Heating Load Calculations
- Lecture 41 - Cooling and Heating Load Calculations (Continued...)
- Lecture 42 - Cooling and Heating Load Calculations (Continued...)
- Lecture 43 - Selection of Air Conditioning Systems
- Lecture 44 - Transmission and Distribution of Air
- Lecture 45 - Transmission and Distribution of Air (Continued..)
- Lecture 46 - Space Air Distribution