

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

NPTEL Video Course - Agriculture - NOC:Cooling Technology: Why and How utilized in Food Processing and Allied

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Co-ordinating Institute - IIT - Kharagpur

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

- Lecture 1 - Introduction to Cooling
- Lecture 2 - Why Cooling is required ?
- Lecture 3 - Definitions
- Lecture 4 - How to produce Safe Foods
- Lecture 5 - How to produce Safe Foods ? (Continued...)
- Lecture 6 - Cooling Load Calculation
- Lecture 7 - Cooling Load Calculation (Continued...)
- Lecture 8 - Cooling Load Calculation (Continued...)
- Lecture 9 - Cooling Load Calculation (Continued...)
- Lecture 10 - Basics of Thermodynamics
- Lecture 11 - Basics of Thermodynamics (Continued...)
- Lecture 12 - Basics of Thermodynamics (Continued...)
- Lecture 13 - Basics of Thermodynamics (Continued...)
- Lecture 14 - Basics of Thermodynamics (Continued...)
- Lecture 15 - Basics of Thermodynamics (Continued...)
- Lecture 16 - Basics of Thermodynamics (Continued...)
- Lecture 17 - Basics of Thermodynamics (Continued...)
- Lecture 18 - Psychrometrics
- Lecture 19 - Psychrometrics (Continued...)
- Lecture 20 - Psychrometrics (Continued...)
- Lecture 21 - Psychrometrics (Continued...)
- Lecture 22 - Psychrometrics (Continued...)
- Lecture 23 - Psychrometrics (Continued...)
- Lecture 24 - Psychrometrics (Continued...)
- Lecture 25 - The Carnot Cycle
- Lecture 26 - Carnot Cycle (Continued...)
- Lecture 27 - Carnot Cycle (Continued...)
- Lecture 28 - Carnot Cycle (Continued...)
- Lecture 29 - Carnot Refrigeration Cycles

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- Lecture 30 - Carnot Refrigeration Cycles (Continued...)
- Lecture 31 - Practical Difficulties with Carnot Cycle
- Lecture 32 - Dry Compression
- Lecture 33 - Problem Solving with Carnot System
- Lecture 34 - Pure Substance as Refrigerant
- Lecture 35 - Pure Substance as Refrigerant (Continued...)
- Lecture 36 - Gas as Refrigerant
- Lecture 37 - Gas as Refrigerant (Continued...)
- Lecture 38 - Gas as Refrigerant (Continued...)
- Lecture 39 - Basics of Refrigeration and Air Conditioning
- Lecture 40 - Basics of Refrigeration and Air Conditioning (Continued...)
- Lecture 41 - Selection of Condenser
- Lecture 42 - Compressor
- Lecture 43 - Reciprocating Compressor
- Lecture 44 - Reciprocating Compressor (Continued...)
- Lecture 45 - Reciprocating Compressor (Continued...)
- Lecture 46 - Centrifugal Compressor
- Lecture 47 - Rotary, Positive Displacement Type Compressors
- Lecture 48 - Condenser
- Lecture 49 - Condenser (Continued...)
- Lecture 50 - Evaporator and Expansion Device
- Lecture 51 - Freezing
- Lecture 52 - Crystallization in Freezing
- Lecture 53 - Freezing Curve
- Lecture 54 - Freezers
- Lecture 55 - Control Atmosphere Storage
- Lecture 56 - Use of Phase Change Materials (PCM)
- Lecture 57 - Cold Chain and Cold Storage
- Lecture 58 - Cold Storage
- Lecture 59 - Ice Cream
- Lecture 60 - Ice Cream (Continued...)