Mindluster Platform

About the course Battery ignition systems

Battery ignition systems course in hindi, in this course we'll explore the fundamentals of battery-powered ignition systems in internal combustion engines.

Engineering Category's Courses

Course Lesson(48)

Lesson 1 : **IC Engines and Gas Turbines Introduction Video**

Lesson 2 : **Lec 1 External and Internal combustion engines Engine components SI and CI engines**

Lesson 3 : **Lec 2 Four stroke and Two stroke engines**

Lesson 4 : **Lec 3 Classification of IC engines**

Lesson 5 : **Lec 4 Engine operating characteristics**

Lesson 6 : **Lec 5 Otto Diesel and Dual cycles**

Lesson 7 : **Lec 6 Otto Diesel and Dual cycles Contd**

Lesson 8 : **Lec 7 Otto Diesel and Dual cycles Contd**

Lesson 9 : **Lec 8 Comparison between the cycles Actual cycles and their analysis**

Lesson 10 : **Lec 9 Carburetor Mixture requirements**

Lesson 11 : **Lec 10 Carburetor Mixture requirements Contd**

Lesson 12 : **Lec 11 Idling cruising and power ranges**

Lesson 13 : **Lec 12 Idling cruising and power ranges Contd**

Lesson 14 : **Lec 13 CI engine injection systems**

Lesson 15 : **Lec 14 SI engine injection systems**

Lesson 16 : **Lec 15 Mechanical and electronic injection systems**

Lesson 17 : **Lec 16 Battery ignition systems**

Lesson 18 : **Lec 17 Engine friction Lubrication systems forces on piston**

Lesson 19 : **Lec 18 Lubricating oils Thermochemistry of fuels**

Lesson 20 : **Lec 19 IC engine fuels types requirement and characteristics Alternative Fuels**

Lesson 21 : **Lec 20 Combustion in SI engines**

Lesson 22 : **Lec 21 Combustion in CI engines**

Lesson 23 : **Lec 22 CI engine injection system**

Lesson 24 : **Lec 23 CI engine injection system contd**

Lesson 25 : **Lec 24 Heat transfer and energy distribution**

Lesson 26 : **Lec 25 Cetane and Octane number Cooling systems**

Lesson 27 : **Lec 26 Problems on IC engine**

Lesson 28 : **Lec 27 Turbomachines Gas Turbine theory**

Lesson 29 : **Lec 28 Open Cycle Gas Turbine Power Plant Twin Shaft Arrangement**

Lesson 30 : **Lec 29 Closed Cycle Multi Spool Arrangement Steam Power Plant**

Lesson 31 : **Lec 30 Basic Thermodynamics**

Lesson 32 : **Lec 31 Brayton Cycle Introducton and General Relationships**

Lesson 33 : **Lec 32 Brayton Cycle Efficiency Work Ratio and Optimum Work Output Condition**

Lesson 34 : **Lec 33 Brayton Cycle with Heat Exchanger Reheater**

Lesson 35 : **Lec 34 Brayton Cycle with Intercooler**

Lesson 36 : **Lec 35 Real Brayton Cycle Solved Example for Ideal Cycle**

Lesson 37 : **Lec 36 Solved Examples for Real Brayton Cycle**

Lesson 38 : **Lec 37 Introduction and Performance Parameters of Propulsion System**

Lesson 39 : **Lec 38 Basics of Various Aircraft Engine**

Lesson 40 : **Lec 39 Eular Turbomachinary Equation**

Lesson 41 : **Lec 40 Introduction and Flow Analysis of Centrifugal Compressors**

Lesson 42 : **Lec 41 Thermodynamics Analysis of Centrifugal Compressors**

Lesson 43 : **Lec 42 Axial Compressor Basics Velocity triangles T S diagram and Work Intraction**

Lesson 44 :
Lec 43 Axial Compressor Different factors Degree of Reaction and Free Vortex Condition

Lesson 45 : **Lec 44 Complete Analysis of Axial Flow Gas Turbine**

Lesson 46 : **Lec 45 Solved Examples for Axial Compressors Centrifugal Compressors and Turbine**

Lesson 47 : **Lec 46 Radial Flow Turbine Solved Example of Free vortex Condition**

Lesson 48 : **Lec 47 Nozzles and Diffuers Introduction Intake efficiency Nozzle efficiency**

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