CPT 4.0 - Maintenance Module

Link to Flashcards:Maintenance Test Flashcards | Quizlet
Password: Cliff123!

- Total Productive Maintenance
    1. Flashcards 1-56
    2. Total Productive Maintenance (TPM) Introduction - YouTube
- Mechanical Power Transmission
    1. Flashcards 57- 68
    2. Introduction to Mechanical Engineering Power Systems and Sources - YouTube
- Gear Drives
    1. Flashcards 69 - 76
    2. Gear Types, Design Basics, Applications and More - Basics of Gears - YouTube
    3. geardrives.pdf
- Belt Drives
    1. Flashcards 78 - 86
    2. Belt Drive | Types of Belt Drives - YouTube
- Chain Drives
    1. Flashcards 87 - 96
    2. Chain Drives | Types of Chain Drives and their uses - YouTube
- Oil Lubrication
    1. Flashcards 97 - 112
    2. Lubricants and Oils - YouTube
- Grease Lubrication
    1. Flashcards 113 - 122
- Introduction to Fluid Power
    1. Flashcards 123 - 133
    2. Introduction to Fluid Power Systems (Part 1 of 3) - YouTube
- Pneumatic Power
    1. Flashcards 123 - 147
    2. How a Industrial Pneumatic Systems Works And The Five Most Common Elements Used - YouTube
    3. Getting started with Pneumatics - the Basics - YouTube
    4. PneumaticPower.pdf
- Basic Cylinder Circuits
    1. Flashcards 148 - 153
    2. Controlling a Pneumatic Cylinder Easily - YouTube
    3. Understanding Directional Control Valve Schematics - YouTube
    4. basic_cylinder_circuits.pdf
- Hydraulic Power 154 -
    1. Flashcards
    2. Hydraulic Power Units and Reservoirs (Full Lecture) - YouTube

- Basic Hydraulic Cylinder Circuits
    1. Flashcards
    2. Hydraulic Cylinder Circuit - Speed Control and Intensification - YouTube
    3. hydraulic_cylinder_circuits.pdf

- Fluid Power Speed Control
    1. Flashcards - 181
    2. Flow Control Valves in Hydraulics - Full lecture with animation - YouTube
- Hydraulic Filtration
    1. Flashcards 182 - 191
    2. Hydraulic system - Reservoir-Coolers and Filters - YouTube
- Basic Electrical Circuits
    1. Flashcards 192 - 206
    2. Basic Electronics for Beginners in 15 Steps - YouTube
    3. basic_electrical_circuits.pdf
- Electrical Voltage and Current Concepts
    1. Flashcards 207 - 216
    2. Current vs Voltage | What's The Difference? - YouTube
- Electrical Resistance Measurement
    1. Flashcards 217 - 231
    2. Basic Electricity - Resistance and Ohm's law - YouTube
- Power in Electrical Circuits
    1. Flashcards 232 - 241
    2. Electrical Energy vs. Power |Explained - YouTube
    3. Power in Electrical Circuits.pdf
- Control Logic Circuits
    1. Flashcards 242 - 253
    2. Visual Walkthrough of Schematic Diagram and Control Logic - YouTube
    3. control_logic_circuits.pdf
- Electrical Control Diagrams
    1. Flashcards 254 - 264
    2. Understanding Control Wiring Diagrams- Intro - YouTube
    3. Electrical Control Diagrams.pdf
- Relay Control Circuits
    1. Flashcards 265 - 274
    2. Engineering - Relay Logic Circuits Part 1 (E.J. Daigle) - YouTube
    3. Relay Control Circuits.pdf
- Automation Sequence Circuits
    1. Flashcards 275 - 284
    2. 1. What is Sequence Control?　— What is Sequence Control?〈Your First PLC (2/19)〉 - YouTube
    3. automation_sequence_circuits.pdf
- Introduction to Electronic Sensors

    1. Flashcards 285 - 298
    2. What is a Sensor? Different Types of Sensors, Applications - YouTube
- Programmable Controller Operation
    1. Flashcards 299 - 308
    2. PLC Basics | Programmable Logic Controller - YouTube
    3. Programmable Controller Operation.pdf
- Basic PLC Programming
    1. Flashcards 309 - 317
    2. What is Ladder Logic? - YouTube
    3. basic_plc_programming.pdf
- PLC Motor Control
    1. Flashcards 318 - 329
    2. How to control a 3-phase motor with PLC & VFD | Delay program & interlock - YouTube
    3. plc_motor_control.pdf
- Basic Robot Operation
    1. Flashcards 330 - 343
    2. The Robot Revolution: The New Age of Manufacturing | Moving Upstream - YouTube
    3. How 6-Axis Industrial Robots Work - YouTube
- Introduction to Welding
    1. Flashcards 344 - 358
    2. Welding Basics for Beginners - YouTube
- Welding Operations
    1. Flashcards 359 - 371
    2. How Does Welding Work? - YouTube
- Weld Types
    1. Flashcards 372 - 383
    2. Types of Welding Process (Explained in detail) - YouTube