

14. Know when and why an Ammeter is placed in a circuit.
15. Know about solenoid devices and their uses.
16. What does an "infinite" reading in a solenoid coil show?
17. Understand Logic Gates.
18. Ohm's Law

Preventative Maintenance Knowledge:

1. Procedures that you should go through prior to even touching a machine for repair.
2. Difference between Preventative Maintenance and Predictive Maintenance
3. Know how to properly conduct PM's on roller chains and gear couplings.
4. How to avoid tap breakage.

Mechanical, Pneumatics and Hydraulics Knowledge:

1. Rotations of a three phase motor
2. Arc flash/blast
3. Know fractions and the difference between two, which will be given to you.
4. Pneumatic systems and the proper way to start troubleshooting when inoperative
5. How to control air pressure
6. Know about valves and their proper use: Check Valve, gate valve, globe valve, ball valve
7. Know how to repair a drive sprocket if given the number of teeth for either the large or small sprocket unit.
8. Know different types of bearings and their uses.
9. What to do when repairing a shaft run-out
10. Know how to remove air from a closed Hydraulics System.
11. Know how to properly install a control valve.
12. Know what types of fuses are used for motor protection.

PLC Knowledge:

1. Understand the output interface module in a PLC system and what they connect to.
2. Know when calculations are made in a PLC.
3. Know when to replace the PLC processor card.
4. Know when to replace the PLC output card.
5. Know when to reload the PLC memory.
6. Know when to replace the PLC output device.

Plant Maintenance Technologist Nc Study Guide

Guillaume Favre



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