

Diploma in Electrician Technician



PRACTICAL APPROACH TO ELECTRICAL WORK

ELECTRICITY (THEORY)

RESIDENTIAL WIRING (THEORY)

RESIDENTIAL WIRING (PRACTICAL)

COMMERCIAL ELECTRICAL WIRING (AN INTRODUCTION)

HOW TRANSFER LOAD

LAMBDA Consulting Group

Training partner institute

SKILL DEVELOPMENT COUNCIL

PRACTICAL APPROACH TO ELECTRICAL WORK

- The Electrical Trade Today and Tomorrow
- Safety First: Fire and Shock
- Electrical Connections
- The Electrician's Best Friend—The Multimeter

ELECTRICITY (THEORY)

- The Electron
- Conductors and Insulators
- Volts
- Amperes
- Ohms
- Resistance and Conductance
- Meters
- Ohm's Law
- Power and Voltage Drop
- Series and Parallel Circuits
- Sources of Electricity
- Motors
- Direct Current and Alternating Current

RESIDENTIAL WIRING (THEORY)

- General Information for Installations
- Electrical Symbols and Outlets
- Lighting and Small Appliance Circuits
- Wiring Methods
- Switch Controls

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RESIDENTIAL WIRING (PRACTICAL)

- Lighting Fixtures
- Ballast
- Lamps
- Lighting Branch Circuits for the Front Bedroom, Master Bedroom, Bathroom, Hallways, Front Entry, Porch, Kitchens, Living Room, Study/Bedroom, Garage, Rec Room and Workshop
- Special Purpose Outlets: Water Pump, Water Heater
- Ceiling Fans & Attic Fans
- Air Conditioning
- Electric Heating

COMMERCIAL ELECTRICAL WIRING (AN INTRODUCTION)

- Plans Specifications
- Entry Level Electrical Working Drawings
- Computing the Electrical Load
- Branch Circuit Installation
- Motor and Appliance Circuits
- Upper Level Electrical Working Diagrams
- Panel board Selection and Installation
- Electrical Service Equipment
- Emergency Standby Power Systems
- Fuses and Circuit Breakers

HOW TRANSFER LOAD

- Single Phase wiring Method
- Single Phase Wiring Installation
- III Phase Wiring Method
- III Phase Wiring Installation
- UPS Wiring
- GENSET Wiring