



Physical: 141 Lamp Road, Wadeville, Germiston

Tel: (011) 827 4113/6. **Fax:** (011) 827 4118

Postal: P O Box 7104, Albemarle, 1410

E-mail: info@pandttechnology.co.za

www.pandttechnology.co.za

Directors: NC Du Plessis (managing), ED Du Plessis

Single phase knowledge test (Single Phase Tester)

P and T Technology (Pty) Ltd Electrical Competency Training Institute is an accredited provider with the Energy SETA and the CHIETA .

The training and development centre at the 141 Lamp Road, Wadeville, Germiston.

Next test dates: Refer to course calendar on the web page www.pandttechnology.co.za

This test is developed for the candidates that are applying for a single phase license under option 3 of the Department of Labour information brochure. The Knowledge test will include but is not limited to the following

Atomic theory

- Matter
- Atom
- Electrons
- Electron flow

Conductors and Insulators

- Conductors
- Meaning of terms
- Comparison between aluminium and copper
- Insulators
- Types and uses of insulators

External power source

- Electrical measurements and terminology
- Potential difference or voltage
- Voltage drop across resistor

Power generation and distribution

- AC/DC Power Generation and distribution
- Operation of a DC generator
- AC Generator (alternator)
- Ohms law
- SI units
- Prefixes
- Symbols
- Voltage, current and resistance
- Power and energy
- Kirchoff's current law states:

Target audience

- Electricians working in Domestic installations.
- Electricians wanting to upgrade their knowledge on Single phase motors and starters.
- Electricians requiring assessment at Assessment centre for Single phase licence

Pre-requisites

Written proof of 5 or more years experience in the Single phase electrical industry

Purpose of test

To establish candidate's knowledge relating to single phase electrical installations

Documentation provide

- Test material

Test duration:

3 Hours

Practical

None

Refreshments

Meals are not provided

Certificates

No certificate only a statement of results

TERMS AND CONDITIONS

- Short course classes are limited to 16 per class.
- Before booking and paying for a program please confirm if a program is fully booked or not.
- Application to be made by means of completing and returning enrolment form via web page, email or fax.
- We will communicate with you in five working days, if we have not communicated with you in this time please contact our office.
- Once your application is received, an invoice is generated and the payment will be due.
- On DIRECT TRANSFERS or DEPOSITS please quote invoice number.
- Fax or email proof of payment to 011 827 4118 or liz@pandttechnology.co.za.
- Bookings will only be confirmed when the payment is confirmed.
- You will only be permitted to attend the course if the payment has been made.
- Payments need to be received 7 working days prior to any course attendance.
- Cancellations of a course within 7 working days of the course will be charged in full.
- Cancellations of assessments for whatever reason will be charged in full
- The assessment is treated as a NATIONAL EXAM where applicable and cannot be cancelled.
- All re-assessments and cancelled assessments will be levied at a cost of 45% of the course fee and no negotiations will be entered into.
- Any other Code of practice not mentioned must be purchased separately.
- P and T Technology (Pty) Ltd reserves the right to cancel any program should there be less than 8 persons
- By forwarding the request for training or/and assessment you declare that you have read and understand the course /assessment criteria
- PLEASE NOTE: Should legislation, regulations or criteria change out of our control, our courses and assessment process and cost will change accordingly
- NB: It is your responsibility to ensure that you meet the registration criteria to be registered by the Chief Inspector as an Electrical tester for Single phase, Installation Electrician or Master Installation Electrician as defined in the Electrical Installation regulation.
- P and T Technology (Pty) Ltd cannot be held responsible for any criteria as required by SETA or by any other body for registration, accreditation or the like. You need to ensure you meet the relevant criteria.
- Safety criteria and conditions are to be adhered to at all times and you must ensure you have the relevant PPE and tools where required.
- P and T Technology (Pty) Ltd does not do accommodation bookings and cannot be liable for any issues relating to accommodation.

Test cost

N2 Equivalence knowledge test R 691.00 Including 15% Vat



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Single Phase Knowledge Test enrolment Form

RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO:

P and T Technology (Pty) Ltd Fax :- 011 827 4118 attention: Admin

Company:- _____

P. O. Box _____ Code:- _____

First Name _____ Surname _____

Title _____ ID Number _____

Tel:- (____) _____ Fax:- (____) _____

Cell No:- _____ email:- _____

Occupation _____ Company VAT NO. _____ **(NB)**

Single phase knowledge test (Single phase tester) R 691.00 Date of selected test: _____

I, _____ **have read and accept the**
Name and Surname

TERMS AND CONDITIONS

Signature of delegate

Payment method

Cheque payable to P and T Technology (Pty) Ltd deposited into the account number below

Deposit / EFT deposit

Account details: **Account holder:** P and T Technology (Pty) Ltd
Bank: ABSA
Branch code: 631 – 142
Account Number: 4056618661

Tel (011) 827 4113/6

Fax (011) 827 4118

e-mail janine@pandttechnology.co.za

Web: www.pandttechnology.co.za



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If the course is being paid by your company, please complete the form below and forward it with your enrolment form

| P AND T TECHNOLOGY(PTY) LTD PROCUREMENT - CUSTOMER INFORMATION | |
|--|--|
| Please complete this document and return to P and T Technology (Pty) Ltd | |
| Legal Status (e.g. (Pty) Ltd) | |
| Name of Business | |
| Company Registration Number | |
| VAT Registration Number | |
| Company Postal Address | |
| Contact Person | |
| Telephone Number/s | |
| Contact Person (Accounts) | |
| Telephone Number/s | |
| Fax Number | |
| Email Address | |
| | |
| Name of Bank | |
| Branch | |
| Branch Code | |
| Account Number | |
| Type of Account | |
| Account Holder's Name | |
| Please complete the details and forward to: | |
| Attention | Admin |
| Email | liz@pandttechnology.co.za |