



Reg. 1998/010169/07

January 2020

Physical: 141 Lamp Road, Wadeville, Germiston

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

Postal: P 0 Box 7104, Albermarle, 1410

Email: info@pandttechnology.co.za

Web: [www.pandttechnology.co.za](http://www.pandttechnology.co.za)

<https://www.facebook.com/pandttech/>

VAT reg. 4290205808

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

## Single phase knowledge test (Single Phase Tester)

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

**Next test dates:** Refer to course calendar on the web page [www.pandttechnology.co.za](http://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

**Refreshments:** Meals or refreshments are not provided

**Certificates:** No certificate only a statement of results

### TERMS AND CONDITIONS

Before booking and paying for a program please ensure you are familiar with P & T Technology's terms and conditions, these can be found on our web page [www.pandttechnology.co.za](http://www.pandttechnology.co.za) or a copy can be requested from our administration office.

**Test cost: N2 Equivalence knowledge test R 691.00 Including 15% Vat**



Reg. 1998/010169/07

**January 2020**

**Physical:** 141 Lamp Road, Wadeville, Germiston

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

**Postal:** P O Box 7104, Albermarle, 1410

**Email:** info@pandttechnology.co.za

**Web:** [www.pandttechnology.co.za](http://www.pandttechnology.co.za)

<https://www.facebook.com/pandttech/>

VAT reg. 4290205808

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

### 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



**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](mailto:info@pandttechnology.co.za)

**www.pandttechnology.co.za**

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

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

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