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January 2021 V3

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VAT reg. 4290205808

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

Installation Rules Exam Preparation Paper 1

P & T Technology (Pty) Ltd Electrical Competency Training Institute is an accredited provider with the EWSETA, CETA, CHIETA and QCTO.

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

Our Installation Rules exam preparation Paper 1 program is used to prepare a learner for the national exam Installation Rules. This exam is required as part of the criteria by the Department of Labour to apply to become an installation electrician. The Examination Instruction 08 of 2009 (IEMIE Syllabus) can be found on our web site.

Target audience

- Any person who intends to write Installation Rules Paper 1 exams as administered by the Department of Education on behalf of the Department of Labour.

Pre-requisites

- Have all the required codes and standards.

Part-time evening classes

The program is conducted by means of part time course where the candidate will attend after hours classes on Tuesdays and Thursdays evening from 17H00 to 19H00 hours and one Saturday before the exam. Installation Rules Paper 1 and Installation Rules Paper 2 will not be offered in the same block.

Course duration: Eight weeks part time training. Tuesdays and Thursdays (17:00 – 19:00) and one Saturday class from 8:00 -13:00.

Refreshments: Tea and coffee will be provided for the evening classes. Meals are not provided.

COVID protocols will be observed at all times during the training

Part time course costs

Installation Rules Paper 1, night classes (providing we have eight learners per class) - R 4 539.00 per candidate including 15% VAT

Online training

The online course is a self-directed program consisting of all the evening class training material including exam practice. Should you have any questions you will be able to email us from the platform and we will respond to you during working hours. The online course will start on the same day as the part time class, and you will have access 24/7, until the day of the exam (approximately three months). You will be able to enrol for both papers if you do the online course but you will only have one block access to the online platform. i.e if you enrol for both papers during the same block you will only have access for that block.

You can enrol for the online training by completing this enrolment form or by using the online platform on the following link: <https://learn.pandt.co.za/>

Online course costs

Installation rules online classes – R 2 600.00 including 15%VAT

Installation Rules Paper 1 Program Content

- Occupational Health and Safety Act, Act 85 of 1993 Section 1, 8, 9, 10 and 22
- Occupational Health and Safety Act, Act 85 of 1993 - Electrical Installation Regulations. Regulations 1 to 14

- Occupational Health and Safety Act, Act 85 of 1993 - Electrical Machinery Regulations. Regulation 1, 3, 5, 6 and 11
- Occupational Health and Safety Act, Act 85 of 1993 - Construction Regulations. Regulations 22
- SANS 10142-1:2008
- The wiring of premises Part 1: Low voltage installations
- Section 1 - Scope
- Section 2 - Normative references
- Section 3 – Definitions
- Section 4 – Compliance
- Section 5 - Fundamental requirements
- Section 7 - Special installations or locations
- Annexure D - Example of assessing estimated and connected load.
- Annexure F - Recommended bending of cables
- Annexure G - Examples of determining the conduit size required for single-core cables of different sizes.
- Annexure J - Explanation of IP ratings
- Annexure M - Electricity supply systems
- Annexure P - Authority for issuing a Certificate of Compliance
- Annexure Q - IEC symbols associated with switchgear
- SANS 10198-1:2004 The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 1: Definitions and statutory requirements
- SANS 10198-2:2004 The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 2: Selection of cable type and methods of installation NOTE: No calculations will be asked on this standard
- SANS 10292:2001 Earthing of low-voltage (LV) distribution systems

Codes Required

Note these codes, standards and regulations do not form part of the course cost and must be purchased prior to participation on the program.

You will require the following codes for Installation rules exams paper 1 and paper 2.

The OHS act and regulations required are available for download from the Department of labour web site. Alternatively you can purchase the OHS act from LexisNexis or van Schaik's bookstore

STANDARD	DESCRIPTION Paper 1 & 2	Section / regulation
OHS Act	Occupational health and safety Act 85 of 1993	Section 1,8,9,10, and 22
OHS Act	Electrical Installation Regulations	Regulation 1-14
OHS Act	Electrical Machinery Regulations	Regulation 1,3,4,5,6,7,8,9,10,11 and 18
OHS Act	Construction Regulations	Regulation 24

The codes below are available from SABS via their web site -<https://store.sabs.co.za/catalog/> or from their offices in Pretoria.

OBTAINABLE FROM SABS

SANS 10142	The wiring of premises Part 1: Low-voltage installations
SANS 10198 - 2	The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 2: Selection of cable type and methods of installation
SANS 10292	Earthing of low-voltage (LV) distribution systems
SANS 10198-1	The selection, handling and installation of electric power cables of rating not exceeding 33 kV Part 1: Definitions and statutory requirements
SANS 1973-3 Paper 2 only	Low-voltage switchgear and controlgear ASSEMBLIES Part 3: Safety of ASSEMBLIES with a rated prospective short-circuit current of up to and including 10 kA

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 or a copy can be requested from our administration office.



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Installation Rules Exam Preparation Paper 1 - Program enrolment form

RETURN PROGRAM ENROLMENT FORM AND PROOF OF PAYMENT TO: info@pandttechnology.co.za

Invoice Company:- _____

P. O. Box _____ Code:- _____

First Name _____ Surname _____

Title _____ ID Number _____

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

Cell No:- _____ email:- _____

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

Installation Rules Paper 1 evening classes R 4 539.00 OR

Installation rules paper 1 online classes R 2 600.00

Date of selected program: _____

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

e-mail: liz@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	Finance
Email	liz@pandttechnology.co.za