

Installation Rules Paper 1

P & T Technology (Pto) Ltd Electrical Competency Training Institute is an accredited provider with the EMSETA, CETA, AND ORETA.

The training and development centre is situated at the 141 Lamp Road, Waderville, Christchurch.

Our Installation Rules 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 06 of 2009 (ICMSE Syllabus) can be found on our web site.

The program is conducted by means of part time course where the candidate will attend after hours classes on Tuesdays and Thursdays evening from 18:00 to 21:00 hours. Installation Rules Paper 1 and Installation Rules Paper 2 will not be offered in the same block.

Installation Rules Paper 1 Program Content

- + Occupational Health and Safety Act, Act 85 of 1963 Section 1, 8, 9, 10 and 20
- + Occupational Health and Safety Act, Act 85 of 1963 - Electrical Installation Regulations, Regulations 1 to 14
- + Occupational Health and Safety Act, Act 85 of 1963 - Electrical Machinery Regulations, Regulation 1, 3, 5, 6 and 11
- + Occupational Health and Safety Act, Act 85 of 1963 - Construction Regulations, Regulations 22
- + SANS 10142-1:2004
- + 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 10262:2001 Earthing of low-voltage (L.V) distribution systems

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

Installation Rules Paper Memo November 2013

Zhe Xu



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