



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE ELECTRICAL TRADE THEORY N3

(11041263)

12 April 2021 (X-paper)
09:00–12:00

Nonprogrammable calculators and drawing instruments may be used.

This question paper consists of 7 pages and 1 formula sheet.

(11041263)

-3-

QUESTION 1: DOMESTIC APPLIANCES

- | | | | |
|-----|---|--|-------------|
| 1.1 | 1.1.1 | Explain how the temperature of a laundry iron can be controlled. | (2) |
| | 1.1.2 | Give TWO possible fault conditions that could lead to an iron tripping the main earth-leakage relay. | (2 × 2) (4) |
| | 1.1.3 | Which type of thermostat is used in this appliance? | (1) |
| 1.2 | Draw a neat, labelled circuit diagram to show how the two elements of a stove plate are connected to a three-heat switch to give high heat. Clearly indicate the two elements, three-heat switch and the supply (live and neutral). | | (3) |

[10]

QUESTION 2: PROTECTION

- | | |
|-----|--|
| 2.1 | Indicate whether each of the following must be earthed, must not be earthed or |
|-----|--|

South African N1 2014 Question Papers Electric Trade Theory

Daniel F McAuley



South African N1 2014 Question Papers Electric Trade Theory:

Reviewing **South African N1 2014 Question Papers Electric Trade Theory**: Unlocking the Spellbinding Force of Linguistics

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