



education

Department:
Education
REPUBLIC OF SOUTH AFRICA

T150(E)(J22)T
AUGUST 2010

NATIONAL CERTIFICATE

BUILDING AND STRUCTURAL SURVEYING N4

(8060034)

22 July (X-Paper)
09:00 – 12:00

aper consists of 4 pages and a formula sheet.

**DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA**

**NATIONAL CERTIFICATE
BUILDING AND STRUCTURAL SURVEYING N4
TIME: 3 HOURS
MARKS: 100**

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers correctly according to the numbering system used in this question paper.
4. ALL diagrams, sketches and drawings should be large and in good proportion, fully labelled and done in pencil.
5. Write neatly and legibly.

QUESTION 1

Define the following terms:

- | | | |
|-----|---------------------|-----|
| 1.1 | Bearing | (3) |
| 1.2 | Natural features | (3) |
| 1.3 | Meridian | (3) |
| 1.4 | Cadastral surveying | (3) |
| 1.5 | Engineer's scale | (3) |
| 1.6 | Co-ordinates | (3) |

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QUESTION 2

- | | | |
|-----|-----------------------------------|-----|
| 2.1 | What is the purpose of surveying? | (5) |
| 2.2 | Name SIX methods of surveying. | (6) |

[11]