



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE BUILDING AND STRUCTURAL SURVEYING N5

(8060045)

**15 November 2022 (X-paper)
09:00–12:00**

Nonprogrammable calculators may be used.

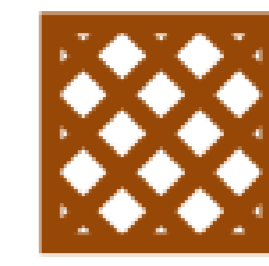
This question paper consists of 7 pages, 2 addenda and 1 formula sheet.

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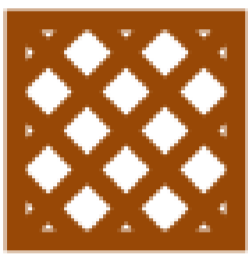
DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA
NATIONAL CERTIFICATE
BUILDING AND STRUCTURAL SURVEYING N5
TIME: 3 HOURS
MARKS: 100

INSTRUCTIONS AND INFORMATION

1. Answer all the questions.
 2. Read all the questions carefully.
 3. Number the answers according to the numbering system used in this question paper.
 4. Start each section on a new page.
 5. Use only a blue or black pen.
 6. Write neatly and legibly.
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SECTION A**QUESTION 1**

Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.1–1.10) in the ANSWER BOOK.

- 1.1 A surveyor should be a registered professional with relevant qualities.
- 1.2 Setting out is the placing of pegs in the ground to mark out limits for a structure.
- 1.3 Bearings cannot be obtained to a greater accuracy than 5' or 10'.
- 1.4  A plane survey covers a relatively small area to the extent that the curvature of the earth is ignored.
- 1.5 At all times, more than one additional known point must be sighted to check the orientation setting.
- 1.6 Try to keep lines of sight close to the ground to minimise the effects of irregular refraction.
- 1.7 For close work, such as traversing and setting out, a ranging rod is better than a tacheometric staff.
- 1.8 Always orient on the closest possible points, consistent with good visibility.
- 1.9 Always orient on an object that can be sighted with the most accuracy.
- 1.10 Whenever possible, make a small mark on the top of the peg.

(10 × 1)

[10]