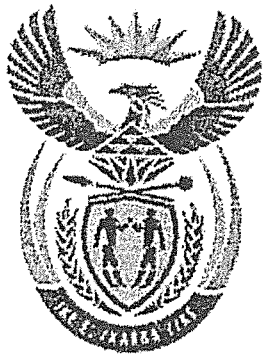


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higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

T80(E)(M25)T
APRIL EXAMINATION

NATIONAL CERTIFICATE

BRICKLAYING AND PLASTERING THEORY N2

(11010102)

25 March 2013 (X-Paper)
09:00–12:00

This question paper consists of 4 pages.

DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA
NATIONAL CERTIFICATE
BRICKLAYING AND PLASTERING THEORY N2
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. Write neatly and legibly.
-

QUESTION 1

- 1.1 Name FOUR materials that can be used as a coping to finish off a wall. (4 x 2) (8)
- 1.2 Explain briefly how wood-wool slabs are manufactured. (4)
- 1.3 What material is used to manufacture pumice blocks? (2)
- 1.4 Name the materials used to manufacture calcium silicate bricks. (4)
- 1.5 What precautions need to be taken before plaster boards are fixed in position on site? (2)
- [20]**

QUESTION 2

- 2.1 Define the term *terrazzo*. (2)
- 2.2 Briefly explain the procedure used to lay a terrazzo finish on a concrete floor. (5 x 2) (10)
- 2.3 Name the material used to manufacture fire bricks. (2)
- 2.4 Name SIX required properties of fire bricks. (6 x 1) (6)
- [20]**

QUESTION 3

- 3.1 Define the following scaffolding terms:
- 3.1.1 Base plate
- 3.1.2 Sole plate
- 3.1.3 Guard rail
- 3.1.4 Ledger
- 3.1.5 Brace coupler
- 3.1.6 Trestle (6 x 2) (12)
- 3.2 Name any TWO bonds that are commonly used for clay pavers. (2)
- 3.3 Name THREE different ways of forming edge restraints for pavers. (3 x 2) (6)
- [20]**

QUESTION 4

Draw, to an approximate scale of 1 : 10, alternate plan courses of a two-brick corner in Flemish bond.

[20]**QUESTION 5**

Draw, to an approximate scale of 1 : 10, a vertical section through the bottom eight courses of a one-brick wall. The drawing must show the following details:

- Concrete foundation: 600 mm × 300 mm
- Ground level
- Damp course
- Floor slab: 75 mm
- Hard core: 75 mm
- Plaster internally: 15 mm
- Wooden skirting: 75 mm × 13 mm

[20]**TOTAL: 100**