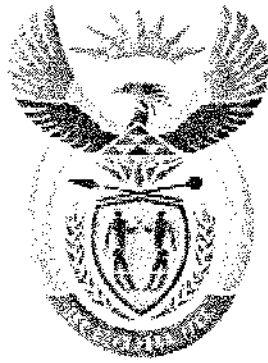


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higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

T30(E)(M25)T
APRIL EXAMINATION
NATIONAL CERTIFICATE
BRICKLAYING AND PLASTERING THEORY N2

(11010102)

25 March 2014 (Y-Paper)
13:00–16:00

This question paper consists of 4 pages and 1 diagram sheet.

DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA
NATIONAL CERTIFICATE
BRICKLAYING AND PLASTERING 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 groups into which metal laths for interiors are divided. (4)
 - 1.2 Briefly describe how wood-wool slabs are manufactured. (8)
- [12]**

QUESTION 2

Draw, to an approximate scale of 1 : 10, the alternate plan courses of a TWO-brick tee junction in English bond. No stopped ends are required. **[18]**

QUESTION 3

- 3.1 State FOUR qualities that coping should have in order to be effective. (4 x 2) (8)
 - 3.2 Make neat sketches to show the difference between the following paving patterns:
 - 3.2.1 Herringbone pattern (3)
 - 3.2.2 Basket weave pattern (3)
 - 3.2.3 Stretcher bond pattern (3)
- [17]**

QUESTION 4

- 4.1 State SIX desirable properties of firebricks. (6 x 2) (12)
 - 4.2 Draw, to an approximate scale of 1 : 20, the alternate plan courses of a single-breasted fireplace in English bond. Show projections on both sides of the wall. (20)
- [32]**

QUESTION 5

- 5.1 State FOUR disadvantages of a cavity wall. (4 x 2) (8)
- 5.2 Choose a description from COLUMN B that matches an item in COLUMN A. Write only the letter (A–G) next to the question number (5.2.1–5.2.6) in the ANSWER BOOK.

COLUMN A		COLUMN B	
5.2.1	Entasis	A	is an attached pier projecting from the face of the wall
5.2.2	Fluting	B	a method of constructing a hollow cornice
5.2.3	Pier	C	the side of an opening at either a door or window
5.2.4	Scotch bracketing	D	a plaster resembling marble
5.2.5	Reveal	E	load bearing brickwork between openings
5.2.6	Pilaster	F	a series of channels running up a column
		G	outward swelling of a column

(6 x 1)

(6)
[14]

QUESTION 6

DIAGRAM SHEET 1, FIGURE 1 (attached), shows a scaffolding system.

Write the name of each component next to the component number (6.1.–6.7) in the ANSWER BOOK.

[7]

TOTAL: 100

DIAGRAM SHEET 1

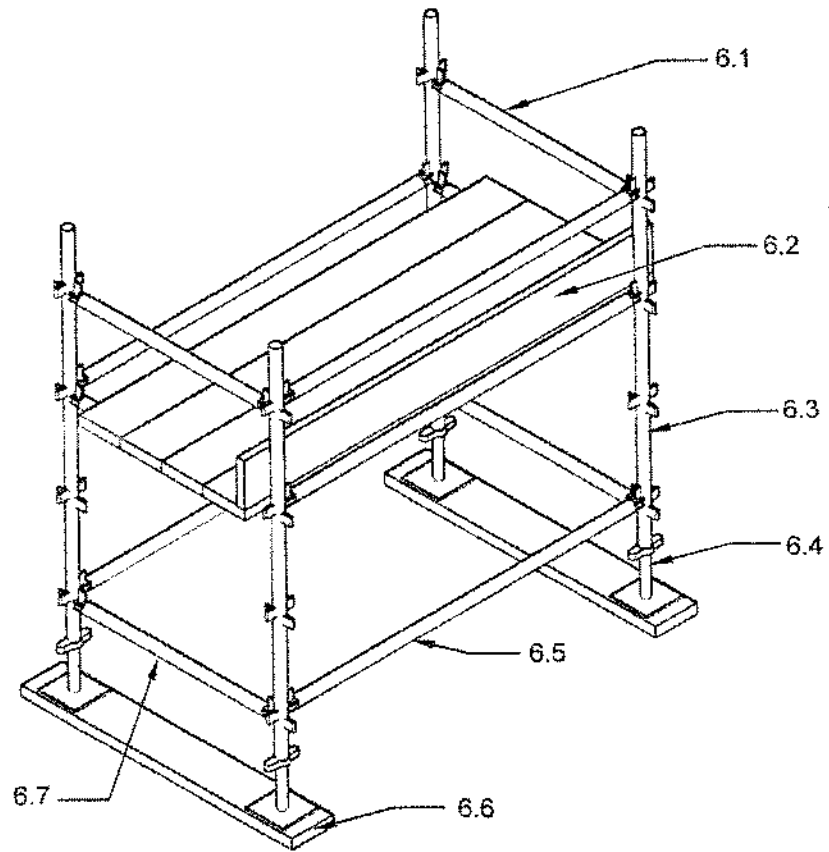


FIGURE 1