higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

BRICKLAYING AND PLASTERING THEORY N2

6 AUGUST 2019

This marking guideline consists of 5 pages.

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QUESTION 1

1.1 True
1.2 False
1.3 True
1.4 True
1.5 True
1.6 False
1.7 False
1.8 True
1.9 False
1.10 False

(10 × 1) **[10]**

QUESTION 2

2.1
2.1.1 sand slurry
2.1.2 compacted
2.1.3 16 mm
2.1.4 strips
2.1.5 level
2.1.6 depth
2.1.7 thickness
2.1.8 mortar screed
2.1.9 terrazzo
2.1.10 tamping
2.1.11 trowelling
2.1.12 cement
2.1.13 temperature

(13 × 1) (13)

2.2 This is the outward building\swelling in the shaft of the columns. (2)
[15]

QUESTION 3

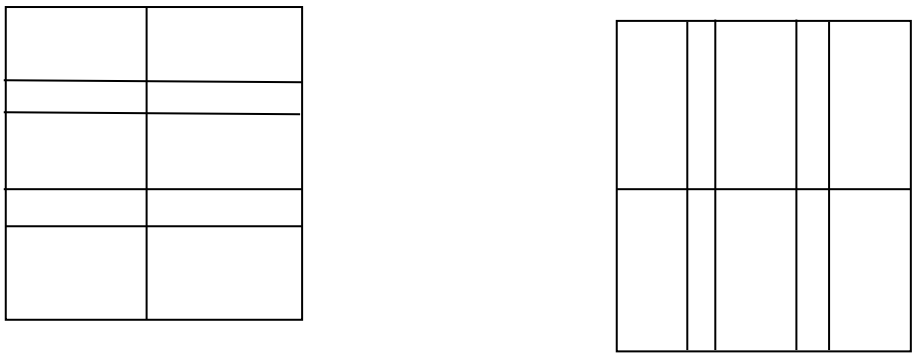
3.1
- Base
- Shaft
- Cap (3)

3.2



Correctness (4 × 2) (8)
Scale (2 × 1) (2)

3.3



Correctness (4 × 2) (8)
Scale (2 × 1) (2)

[23]

QUESTION 4

4.1
- The building site should be cleared of termites
- and particular attention should be given to the nests.
- A soil poison should be applied to the site as described in SABS code of practice 0124.
- The bottom of the foundation trenches should be sprayed with an insecticide before the footings are cast.
- After the foundation brickwork has reached floor slab height, the earth within the walls as well as the inside face of the walls should be sprayed. (5)

4.2
- Correct design of throat should be 100 × 203 and must be perpendicular over fire
- Horizontal smoke shelf
- Splayed sides
- Fireplace must be deep enough to prevent smoking (4)

4.3
- A rough arch is formed of uncut bricks
- and its shape is controlled by the type of turning piece or centre used to construct the arch.
- Its mortar joints are wedge-shaped
- which plays an important part in the stability of the arch. (4)

[13]

QUESTION 5

5.1

5.1.1	C
5.1.2	F
5.1.3	B
5.1.4	G
5.1.5	I
5.1.6	D
5.1.7	A
5.1.8	J
5.1.9	E
5.1.10	H

(10 × 1) (10)

5.2
- Clean the concrete floor
- and apply a cement and sand slurry.
- Prepare, lay and compact the topping (screed) at least 16 mm thick to a float finish.
- Insert the dividing strips in the wet topping
- to form the required pattern.
- Prepare and spread the terrazzo mix in the bays slightly higher than the strips
- and compact by tamping or using a slid roller.
- Cover the floor to protect the surface from wind, draughts and sunlight.
- Cure for several days and commence the grinding using a course abrasive stone
- and supply of water until the aggregate is fully exposed. (10)

[20]

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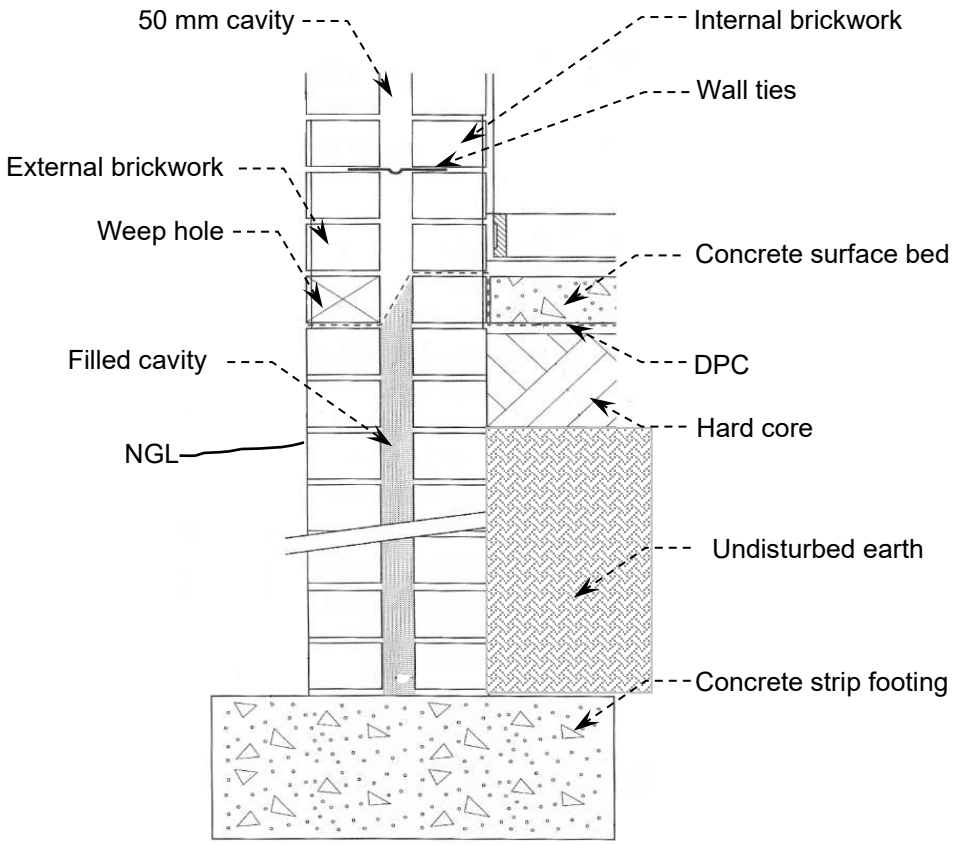
QUESTION 6



CROSS-SECTION OF CAVITY WALL

Correctness (5)
Labelling (3)
Scale (2) **[10]**

QUESTION 7

- Guardrail
- Toe board
- Platform
- Standard
- Transom
- Ledger
- Cross brace
- Sole plate
- Base jack
- Swivel coupler

(Any 9 × 1) **[9]**

TOTAL: 100

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