higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

NOVEMBER EXAMINATION

BRICKLAYERING AND PLASTERING THEORY N1

17 NOVEMBER 2016

This marking guideline consists of 5 pages.

Copyright reserved

QUESTION 1

1.1	1.1.1	False		
	1.1.2	False		
	1.1.3	False		
	1.1.4	False		
	1.1.5	False		
	1.1.6	True		
	1.1.7	True		
	1.1.8	True		
	1.1.9	True		
	1.1.10	True		
			(10 × 1)	(10)
1.2	1.2.1	Greek		
	1.2.2	Roman		
	1.2.3	Circles		
	1.2.4	Greek		
	1.2.5	Elliptical		
			(5 × 1)	(5)

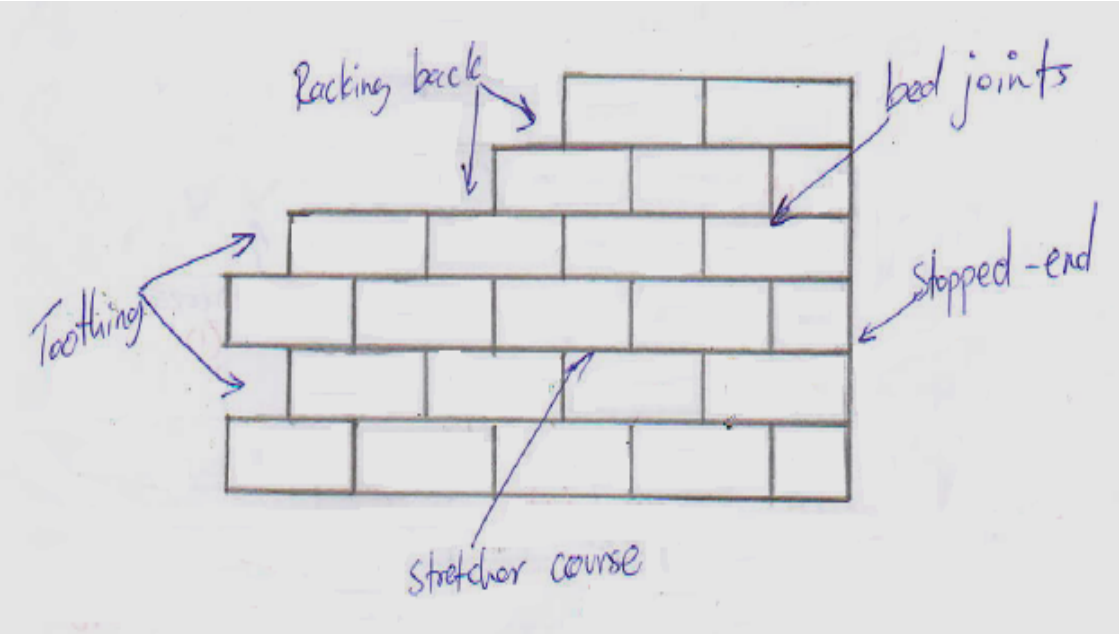
1.3
- Soldier course
- Sailor course
- Header course
- Stretcher course
- Brick-on-edge header course
- Brick-on-edge stretcher course

(Any 5 × 1) (5)

[20]

QUESTION 2

2.1



Correct sketch	(4)
Labelling	(5)
Scale	(1)

2.2

2.2.1 Steel square
2.2.2 Steel pegs
2.2.3 Bricklaying tools
2.2.4 Spirit level
2.2.5 Corner blocks
2.2.6 Bolster chisel
2.2.7 Brick hammer
2.2.8 Tiling tools
2.2.9 Tile cutter
2.2.10 Tile breaker

(10 × 1) (10)
[20]

QUESTION 3

3.1 Check that the mould is clean.✓
Smear the inside of the mould with release oil.✓
Place the mould on a firm base.✓
Mix the concrete.✓
Fill the mould with 50 mm layers of concrete.✓
Tamp each layer 38 times with a rod.✓
Fill the mould and remove the excess✓ and level off with the trowel.✓
Prepare a label with the particulars of the contract and tie it to the mould.✓
Cover the cubes with a wet cloth.✓ (10 × 1) (10)

3.2
- Through pump mechanism
- By means of a wheel barrow
- By means of a dumper
- By sliding chute(s) (4 x 1) (4)

3.3
- Ordinary Portland cement
- Rapid-hardening cement
- Portland blast-furnace cement
- Sulphate-resisting Portland cement
- White cement
- High alumina cement
- Portland cement PC 15 SL (Any 4 × 1) (4)

3.4 Tanking refers to laying the DPC underneath that part of the building✓ which is built below natural ground level.✓ (2)
[20]

QUESTION 4

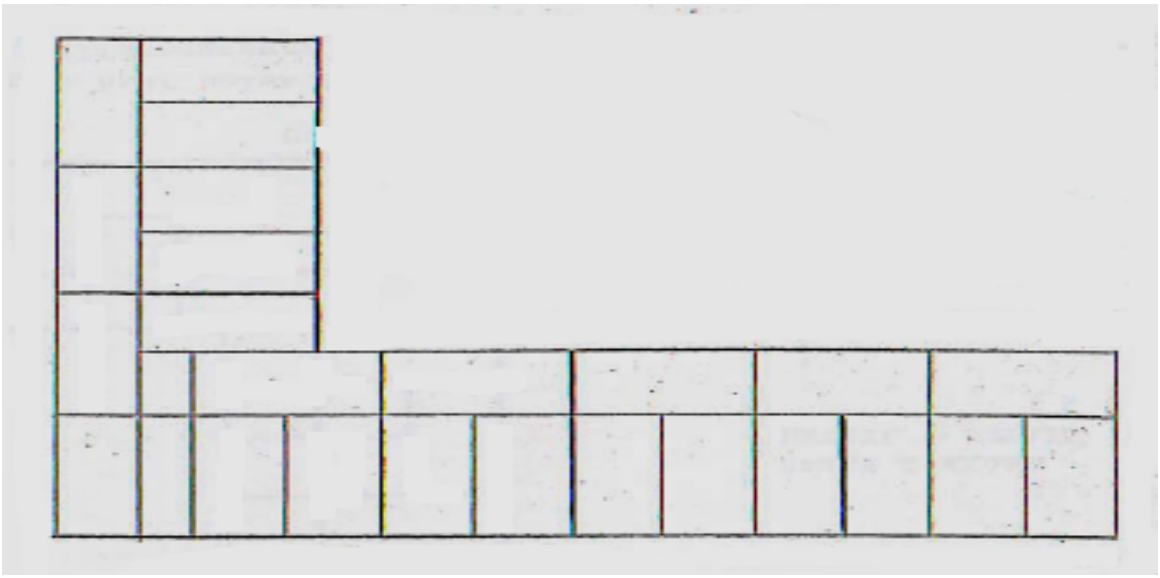
4.1 Remove✓ all the dried✓pieces of mortar.✓
Wet the wall.✓
Bring on plumb vertical screeds.✓
Fill in between the screeds✓ and rule level.✓
Fill in slacks✓ and rule level.✓
Wet the wall✓ and float smooth✓ with a wooden float. (12 × 1) (12)

4.2
- Super-duty
- High-duty
- Medium-duty
- Low-duty
- Semi-silica (5 x 1) (5)

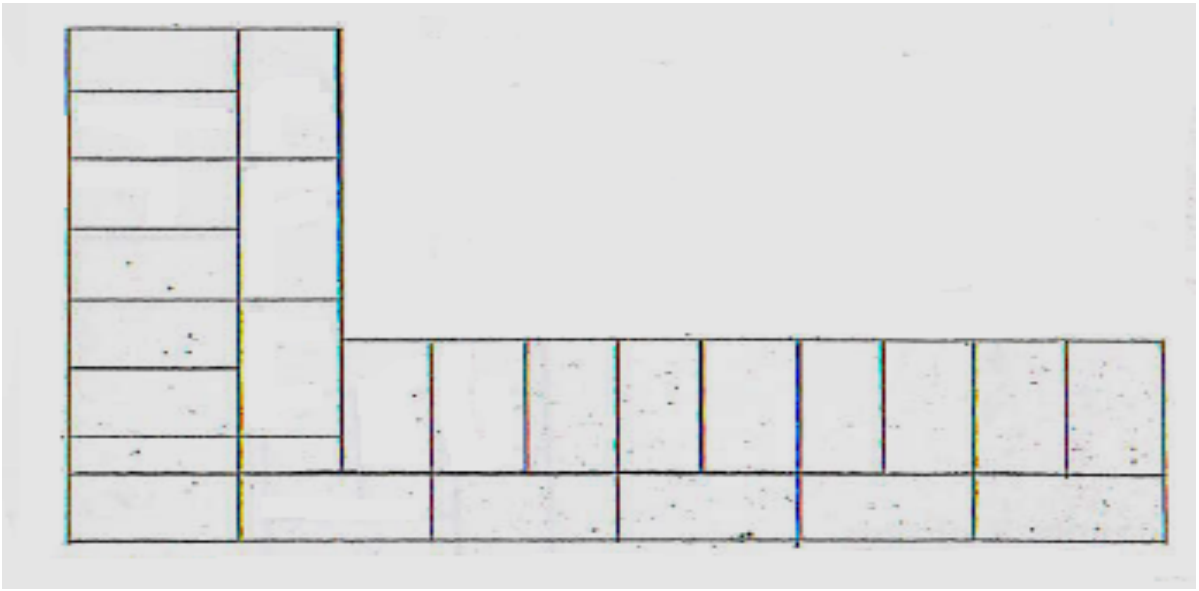
4.3 Mortar is a mixture of cement,✓ sand✓and water ✓ used for bricklaying and plastering. (3)
[20]

QUESTION 5

ALTERNATE PLAN COURSES OF ONE-BRICK CORNER IN ENGLISH BOND



Correct sketch	(8)
Scale	(2)



Correct sketch	(8)
Scale	(2)

[20]

TOTAL: 100

Copyright reserved