higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

BRICKLAYING AND PLASTERING THEORY N2

(11010102)

15 April 2021 (X-paper)
09:00–12:00

This question paper consists of 4 pages.

181Q1A2115

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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. Start each question on a new page.
5. Write neatly and legibly.

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QUESTION 1

1. 1 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.1.1–1.1.6) in the ANSWER BOOK.

1.1.1 A column is an upright shaft, generally rectangular or round.

1.1.2 A pilaster and a pier can serve the same purpose.

1.1.3 Entasis is a load-bearing brickwork between openings.

1.1.4 An outward swelling in a shaft is known as an architrave.

1.1.5 A pier is the load-bearing brickwork between openings.

1.1.6 Columns are made of steel, bricks, stone or concrete.

(6 × 1) (6)

1.2 Explain the procedure to construct a running mould. (10)

1.3 Give TWO standard widths of plaster boards. (2)

[18]

QUESTION 2

Draw the alternate plan courses of a one and a half brick obtuse squint corner in English bond to an approximate scale of 1:10. **[20]**

QUESTION 3

3.1 Explain the method for laying a terrazzo slab. (6)

3.2 Name FOUR different types of bonds for concrete pavers. (4)

3.3 State FOUR advantages of a cavity wall construction over a solid wall. (4)

[14]

QUESTION 4

4.1 List FOUR types of fireplaces according to their shapes. (4)

4.2 Preventing fire from spreading to other parts of a building is important in the construction of flues and fireplaces.

State FIVE precautions that must be taken. (5)

4.3 Write out the abbreviation DPC in full. (1)

[10]

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QUESTION 5

5.1 Raking back and toothing are parts that may be found on a wall.

Show the difference between raking back and toothing by means of freehand sketches. Each sketch must be of a wall that is three courses high and four courses long in stretcher bond. (2 × 4) (8)

5.2 Briefly explain the purpose of coping (the cover fitted to the tops of garden walls and piers). (3)

5.3 Explain the difference between the following parts of a fireplace:

5.3.1 Register

5.3.2 Gathering

(2 × 2) (4)

5.4 List FIVE tools that are used to plaster gypsum board. (5)

[20]

QUESTION 6

6.1 List THREE different parts of a column. (3)

6.2 Briefly explain the term camber arch. (2)

6.3 State FIVE basic rules to be followed when ascending scaffolding. (5)

6.4 List FIVE parts of a putlog scaffold. (5)

6.5 Discuss the correct procedure to climb a stepladder. (3)

[18]

TOTAL: 100

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