



# higher education & training

Department:  
Higher Education and Training  
**REPUBLIC OF SOUTH AFRICA**

## **NATIONAL CERTIFICATE BUILDING ADMINISTRATION N6**

(4090056)

**19 April 2021 (X-paper)  
09:00–12:00**

**Nonprogrammable calculators may be used.**

**This question paper consists of 5 pages.**

223Q1A2119


**DEPARTMENT OF HIGHER EDUCATION AND TRAINING**  
**REPUBLIC OF SOUTH AFRICA**  
NATIONAL CERTIFICATE  
BUILDING ADMINISTRATION N6  
TIME: 3 HOURS  
MARKS: 100

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**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. Use only a black or blue pen.
  6. Write neatly and legibly.
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**QUESTION 1**

- 1.1 Indicate whether each of the statements is an example of facts given on the bill of quantities or the schedule of rates:
- 1.1.1 No quantity is given and it is difficult to know the size.
- 1.1.2 Tenders cannot be compared as no totals are available.
- 1.1.3 The total figure is detected. 
- 1.1.4 Information is guaranteed.
- 1.1.5 After signing, the total is accepted as it is.
- 1.1.6 It cannot be determined whether a tender is profitable or not.
- 1.1.7 The total value cannot be computed.
- 1.1.8 Tenders can be verified and double-checked at different departments. (8 × 1) (8)
- 1.2 List SIX aspects to consider during pre-tender meetings. (6 × 2) (12)
- [20]**


**QUESTION 2**

- 2.1 Indicate whether the statements are TRUE or FALSE by writing 'True' or 'False' next to the question number (2.1.1–2.1.10) in the ANSWER BOOK.
- 2.1.1 The Training of Artisans Act provides for further training of adults.
- 2.1.2 The Unemployment Insurance Act provides for insurance for new employees.
- 2.1.3 The Compensation for Occupational Injuries and Diseases Act regulates the organisational rights of trade unions.
- 2.1.4 The Occupational Health and Safety Act investigates compensation of employees during incidents of death and accidents.
- 2.1.5 The National Building Regulations Act regulates and sets guidelines and laws for the building and construction industry. 
- 2.1.6 The Apprenticeship Act provides for the development and implementation of the National Qualification Framework.
- 2.1.7 The Skills Development Act develops and improves the skills of the South African Workforce.

- 2.1.8 The Basic Conditions of Employment Act provides basic conditions of employment. 
- 2.1.9 The South African Qualification Authority Act provides for development and implementation of the National Qualification Framework.
- 2.1.10 The Industrial Council Act provides learnership programmes that lead to occupational qualifications. (10 × 1) (10)
- 2.2 Explain FIVE functions of an inspector regarding health and safety. (5 × 2) (10)  
[20]

### QUESTION 3

- 3.1 The table below shows the scheduled conditions between the employer and the employee.

Copy and complete the table by calculating the time spent to complete the task and the total cost thereof. 

DUTIES	TOTAL	QUANTITIES	RATING	TOTAL HOURS	COST
Excavate trenches	50	8 m <sup>3</sup>	R90,00		
Concrete for trenches	50	20 m <sup>3</sup>	R60,00		
One-brick wall	100	25 m <sup>2</sup>	R1 300,00		
Concrete slab	6	10 m <sup>3</sup>	R500,00		
<b>TOTAL COST</b>					

(10)

- 3.2 State FIVE basic principles of standard costing. (5 × 2) (10)  
[20]

### QUESTION 4

- 4.1 Indicate the duties, appointments and payments of each of the types of personnel:

4.1.1 Structural engineer

4.1.2 Quantity surveying

4.1.3 Subcontractor 

4.1.4 Nominated subcontractor

4.1.5 Architect

(5 × 3) (15)

4.2 Present the following activities on a network:

- Plastering
- First fix service
- Internal painting
- First fix carpenter
- Second fix carpenter
- Second fix service
- Floor screed
- Second fixing carpenter



(10)  
**[25]**

**QUESTION 5**

5.1 Define each of the terms in relation to work study:

5.1.1 Method statement

5.1.2 Work measurement

5.1.3 Principal building agreement

5.1.4 Outline programme of constructions

5.1.5 Method study



(5 × 2) (10)

5.2 List FIVE trades in the building industry.

(5)  
**[15]**

**TOTAL: 100**