

# PAST EXAM PAPERS & MEMOS FOR ENGINEERING STUDIES N1-N6

THANK YOU FOR DOWNLOADING THE PAST EXAM PAPER, WE HOPE IT WILL BE OF HELP TO YOU. AT THE MOMENT WE **DO NOT HAVE MEMO FOR THE PAPER** BUT KEEP CHECKING OUT WEBSITE AND ONCE AVAILABLE WE WILL ADD IT FOR YOU.

## ARE YOU IN NEED OF MORE PAPERS

You might be in need of **more question papers** and answers (memos) as you prepare for your final exams. We have a FULL SINGLE DOWNLOAD in pdf of papers between **2014-2019**. **ALL THE PAPERS HAVE ANSWERS (MEMOS)**. We sell these at a **very discounted price** of **R299.00** per subject. Visit our website <https://previouspapers.co.za/shop/> to purchase a full download. Once you purchase, you get instant download and access. The online payment is also safe and we use [payfast](#) as it is used by all the banks in South Africa.

## PRICE OF THE PAPERS AT A BIG DISCOUNT

Previous papers are very important in ensuring you pass your final exams. The **actual value** of the papers access is way more than **R1 000** but we are making you access these for a small fee of **R299.00**. The small fee helps to maintain the website.

## BONUS PAPERS

We are also **adding bonus papers for free** which are papers between 2008-2011. These papers are very valuable as examiners usually repeat questions from old papers time and again. You get access to bonus papers after purchasing your paper.

## MORE FREE PAPERS

[Click here](#) to access more **FREE PAPERS**.



# higher education & training

---

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

## **NATIONAL CERTIFICATE**

## **BUILDING ADMINISTRATION N6**

(4090056)

**14 April 2020 (X-paper)**  
**09:00–12:00**

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

229Q1A2014

**DEPARTMENT OF HIGHER EDUCATION AND TRAINING**  
**REPUBLIC OF SOUTH AFRICA**  
NATIONAL CERTIFICATE  
BUILDING ADMINISTRATION N6  
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.
-

**QUESTION 1: BYLAWS AND PROGRAMMING**

- 1.1 Choose a term from COLUMN B that matches a description in COLUMN A. Write only the letter (A–J) next to the question number (1.1.1–1.1.10) in the ANSWER BOOK.

COLUMN A		COLUMN B	
1.1.1	National Building Regulations	A	investigates compensating employees for work-related injuries or deaths
1.1.2	Basic Conditions of Employment Act	B	provides a system to ensure quality education and training set to certain standards
1.1.3	Unemployment Insurance Act	C	regulating the right to fair labour practices
1.1.4	Occupational Health and Safety Act	D	provides payment for employees in certain cases of loss of income or death
1.1.5	Skills Development Act	E	makes provision for training of adults
1.1.6	Compensation for Occupational Injuries and Diseases Act	F	provides institutional framework to implement national, sectoral and workplace strategies to improve employee skills
1.1.7	Training of Artisans Act	G	sets guidelines and bylaws for building and construction industry
1.1.8	South African Qualifications Authority Act	H	prevents and settle disputes between employees and employers
1.1.9	Apprenticeship Act	I	regulates the training and employment of apprentices and minors in specific trades
1.1.10	Industrial Council Act	J	securing the welfare of people at work against risks and hazards

(10 × 1) (10)

- 1.2 State the purpose of programming.

(5 × 2) (10)

**[20]**

**QUESTION 2: TENDERING**

- 2.1 Explain each of the following contract documents:
- 2.1.1 Contract form
  - 2.1.2 Contract document
  - 2.1.3 Working drawings
  - 2.1.4 Specifications
  - 2.1.5 Bills of quantities
- (5 × 2) (10)
- 2.2 State FIVE disadvantages of tendering with schedule of rates compared to bills of quantities. (5 × 2) (10)
- [20]**

**QUESTION 3: PRETENDER PLANNING**

- 3.1 Name FIVE tender documents that should be dispatched with the invitation to tender. (5 × 2) (10)
- 3.2 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (3.2.1–3.2.10) in the ANSWER BOOK.
- 3.2.1 The term *client* refers to the owner of the project.
  - 3.2.2 The main contractor appoints the nominated subcontractor.
  - 3.2.3 The architect is appointed and nominated by the client.
  - 3.2.4 The quantity surveyor is responsible for the total cost of the project.
  - 3.2.5 The main contractor is the contractor who won the tender.
  - 3.2.6 The responsibility of the complete project rests on the subcontractor's shoulders.
  - 3.2.7 One of the objectives of pretender planning is to improve the ratio of awards.
  - 3.2.8 A nominated subcontractor is paid and appointed by the main contractor.
  - 3.2.9 *Tender appreciation* means the systematic collection of information.
  - 3.2.10 Meetings with departmental heads during pretender planning are not important.
- (10 × 1) (10)
- [20]**

**QUESTION 4: WORK STUDY**

- 4.1 Name FIVE allowances that can be added to basic time to get the standardised time for a specific work content. (5 × 2) (10)
  - 4.2 Give FIVE main techniques used for work measurement. (5 × 2) (10)
- [20]**

**QUESTION 5: MANAGEMENT AND WELFARE**

- 5.1 Elaborate on each of the needs below based on Maslow's hierarchy of needs:
    - 5.1.1 Physiological needs
    - 5.1.2 Safety needs
    - 5.1.3 Belonging and love needs
    - 5.1.4 Esteem needs
    - 5.1.5 Cognitive needs
    - 5.1.6 Aesthetic needs
    - 5.1.7 Self-actualisation needs
  - 5.2 Name SIX duties of a safety officer in the workplace. (6)
- [20]**
- TOTAL: 100**