higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

T100**(E)**(A13)T

NATIONAL CERTIFICATE

BUILDING ADMINISTRATION N5

(4090045)

13 April 2018 (X-Paper)
09:00–12:00

This question paper consists of 6 pages.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
BUILDING ADMINISTRATION N5
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. Write neatly and legibly.

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QUESTION 1

Complete the following sentences by writing down only the missing word or words next to the question number (1.1–1.10) in the ANSWER BOOK.

water; invoice; monger; pipes; purchase order; paint; storekeeper; concrete; iron; reinforcing steel; driver; hard core filling; requisition; steel frames; structural timber; cement

1.1 The … should be prime coated and stacked vertically.

1.2 The … should be free from knots and each member must be a continuous length without laps.

1.3 The … should be stored on a pallet and in a covered area as dampness can damage it.

1.4 The workability of … is tested with a slump test.

1.5 If not immediately used, … should be spread out on a site across poles with colour tags.

1.6 The … signs the delivery note when materials arrive on site.

1.7 If goods from site are returned on the truck, the … should sign the correction on both copies of the delivery note.

1.8 A … document is used by the site to obtain sundry items from the central or head office.

1.9 Once the delivery is made, the supplier will send an … to the head office for payment.

1.10 A … is officially sent to the supplier from the head office, requesting the materials required.

(10 × 1) **[10]**

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QUESTION 2

Indicate whether the following statements are TRUE or FALSE. Choose the answer and write only 'true' or 'false' next to the question number (2.1–2.10) in the ANSWER BOOK.

2.1 The main contractor appoints the nominated subcontractor.

2.2 The selected subcontractor enters into a contract with the client.

2.3 The main contractor is liable for the poor workmanship of the subcontractor.

2.4 The subcontractors pay a share of the main contractor's bonds and guarantee.

2.5 The subcontractors have to be approved by the architect.

2.6 The clerk of works can instruct the subcontractor to stop work.

2.7 It is the duty of the main contractor to supply free water to the subcontractor.

2.8 The architect communicates directly with the subcontractor if there is a problem on site.

2.9 Small-scale contractors may submit a joint bid.

2.10 The payment of contractors is done by interim certificates.

(10 × 1) **[10]**

QUESTION 3

3.1 Name FIVE earthwork categories and give ONE example of each. (5 × 2) (10)

3.2 Give FOUR advantages of mechanisation in construction. (4)

3.3 Give FOUR advantages of labour-intensive construction. (4)

[18]

QUESTION 4

4.1 Prepare a complete agenda for an architect's site meeting. (10)

4.2 List the SEVEN contract documents. (7)

[17]

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QUESTION 5

5.1 What is meant by *tender appreciation*? (2)

5.2 What is a *qualification slip*? (2)

5.3 Materials that are being stolen on site is a problem.

Give FIVE steps that can be followed to minimise this theft. (4)
[8]

QUESTION 6

Define, describe or explain the following:

6.1 Liability insurance

6.2 Latent defect liability

6.3 Patent defects liability period

6.4 Release of construction guarantee

6.5 Extension of construction period

6.6 Penalty of non-completion

6.7 Final completion list

6.8 Certificate of final completion

6.9 Final account

6.10 Interim certificate

(10 × 2) **[20]**

QUESTION 7

7.1 Name the SEVEN management processes. (7)

7.2 What are the qualities you look for when appointing a subcontractor? (4)
[11]

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QUESTION 8

USE Simpson's rule to determine, from the data below, the cross-section area and volume of an excavation 12,5 m long.

distance (m)	0	2	4	6	8	10	12	14	16	18	20
depth (mm)	0	150	250	400	550	600	500	400	350	200	100

[6]

TOTAL: 100

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