higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE

BUILDING ADMINISTRATION N5

(4090045)

27 November 2024 (X-paper)
09:00–12:00

This question paper consists of 6 pages.

130Q1E2427

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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. Use only a black or blue pen.
5. Write neatly and legibly.

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QUESTION 1: EARNINGS AND EXPENDITURE

1.1 Indicate whether the following statements are TRUE or FALSE by writing only 'True' or 'False' next to the question number (1.1.1–1.1.5) in the ANSWER BOOK.

1.1.1 Preliminaries are items that are needed to complete the required works.

1.1.2 Day work is a method used to value specifically instructed work, based on the materials, equipment and time spent to complete the work.

1.1.3 Expenditure is the act of wasting money, with each amount being an expense.

1.1.4 Earth-moving plant is not an example of plant and equipment used on a construction project.

1.1.5 Subcontractors can also be referred to as main contractors.

(5 × 1) (5)

1.2 Name FOUR types of equipment that are commonly used for earth moving. (4)

1.3 Name ONE type of labour commonly found on a construction site. (1)

[10]

QUESTION 2: MAIN CONTRACTORS AND SUBCONTRACTORS

2.1 The main purpose of creating a bid strategy is to weigh up the market and commercial factors and decide on a price and implementation method that will appeal enough to the client to become the preferred bidder.

What are the SEVEN strategies involved in the development of bid strategy? (7)

2.2 List THREE types of tax that the contractor must pay. (3)

[10]

QUESTION 3: SITE MEETINGS AND SITE RECORDS

3.1 A notice for a meeting must meet some requirements.

Name SIX requirements that a notice should meet. (6)

3.2 Define the following:

3.2.1 Quorum

3.2.2 Etiquette

(2 × 2) (4)
[10]

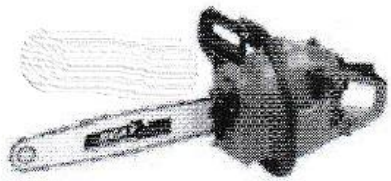
QUESTION 4: MECHANICAL PLANT

4.1 Refer to the tools, plant or equipment shown below and write only the name next to the question number (4.1.1–4.1.10) in the ANSWER BOOK.

4.1.1



4.1.2



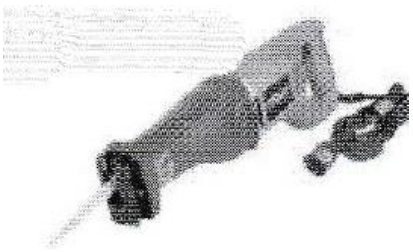
4.1.3



4.1.6



4.1.7



4.1.8



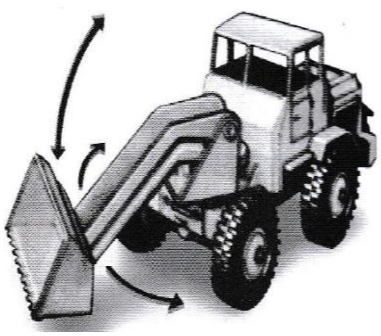
4.1.4



4.1.5



4.1.9



4.1.10



(10 × 1) (10)

4.2 Discuss predictive maintenance. (5)
[15]

QUESTION 5: SUPPORT TO STRUCTURES

Illustrate by means of a neat sketch the method of supporting structures using dead shoring. Show FIVE labels. (5 × 2) **[10]**

QUESTION 6: MASS-HAUL DIAGRAMS

6.1 List SEVEN parts that are found on a mass haul diagram. (7)

6.2 Mass haul diagrams are important for making logistical and financial decisions about a project.

Name SIX functions of a mass haul diagram for assisting the project manager. (6)

6.3 Discuss how you would calculate accumulated volumes. (4)

6.4 Give THREE reasons why shrinkage has to be factored in with embankments. (3)
[20]

QUESTION 7: VARIATIONS, OMISSIONS AND HANDING OVER



7.1 Under which circumstances are site instructions issued? (3)

7.2 Explain the following terms with regard to authorisation and measurement of extra works:

7.2.1 Omissions (2)

7.2.2 Variations (2)

7.2.3 Cost considerations (2)

[9]

QUESTION 8: STATUTORY BODIES

8.1 Discuss statutory or regulatory bodies and their purpose. (9)

8.2 Give SEVEN examples of main regulatory bodies. (7)

[16]



TOTAL: 100

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