higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

# MARKING GUIDELINE

## NATIONAL CERTIFICATE

## BUILDING ADMINISTRATION N5

## 8 December 2023

**This marking guideline consists of 6 pages.**

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## QUESTION 1

1.1 True
1.2 True
1.3 False
1.4 False
1.5 True
1.6 True
1.7 True
1.8 True
1.9 False
1.10 True

(10 × 1) **[10]**

## QUESTION 2

2.1
- Right to a contract
- Right to decision making
- Right to payment for work done
- Right to employing sub-contractors
- Right to managing own business (5 × 1) (5)

2.2
- Leading
- Executing
- Supervising
- Quality inspection
- Safety (5 × 1) (5)

**[10]**

## QUESTION 3

3.1 E
3.2 F
3.3 D
3.4 B
3.5 A
3.6 H
3.7 I
3.8 G
3.9 J
3.10 C

(10 × 2) **[20]**

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## QUESTION 4

4.1
4.1.1 Raw material
4.1.2 Vibrating feeder
4.1.3 Jaw crusher
4.1.4 Vibrating screen
4.1.5 Cone crusher
4.1.6 Vibrating screen
4.1.7 Sand-making machine
4.1.8 Sand washer
4.1.9 Products heap

(9 × 1) (9)

4.2 Planned maintenance means ensuring that plant is regularly serviced, which reduces the likelihood of breakdowns. This is a preventative approach that focuses on limiting the amount of time a machine is down. (2)

4.3
- Identifying a maintenance problem that should be addressed
- Planning, including regular inspections, inventory control of parts, task description and task priority
- Scheduling the frequency with which maintenance tasks are performed
- Executing the maintenance tasks (4)

**[15]**

## QUESTION 5

5.1 The process of strengthening and reinforcing an existing foundation by extending it (3)

5.2

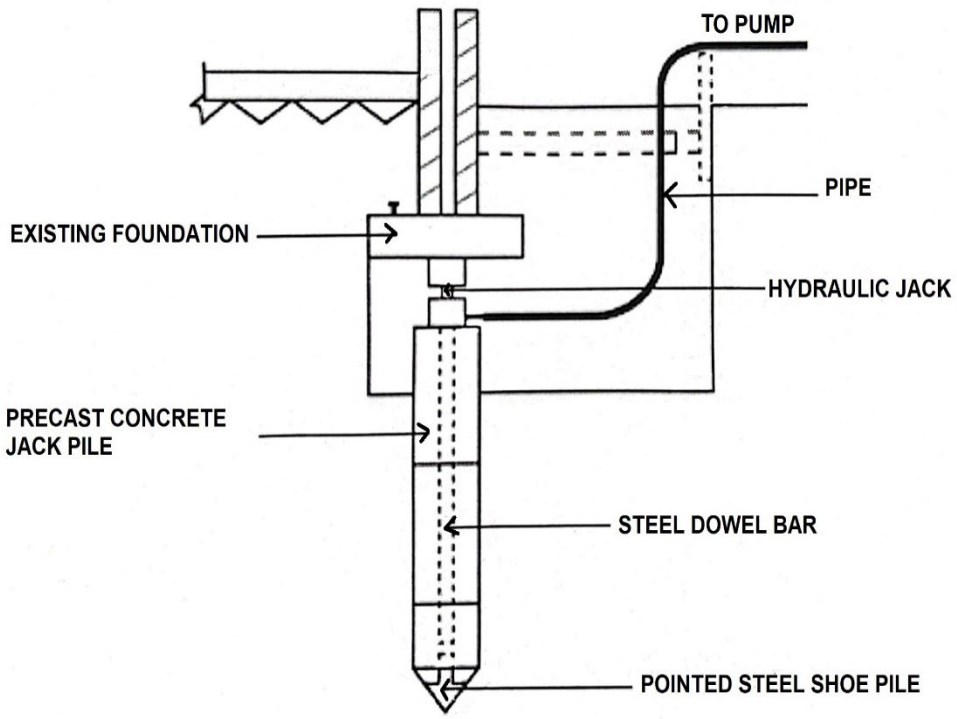



Diagram = 4 marks
Correct labels = 3 marks (any correct 6) (7)

**[10]**

## QUESTION 6

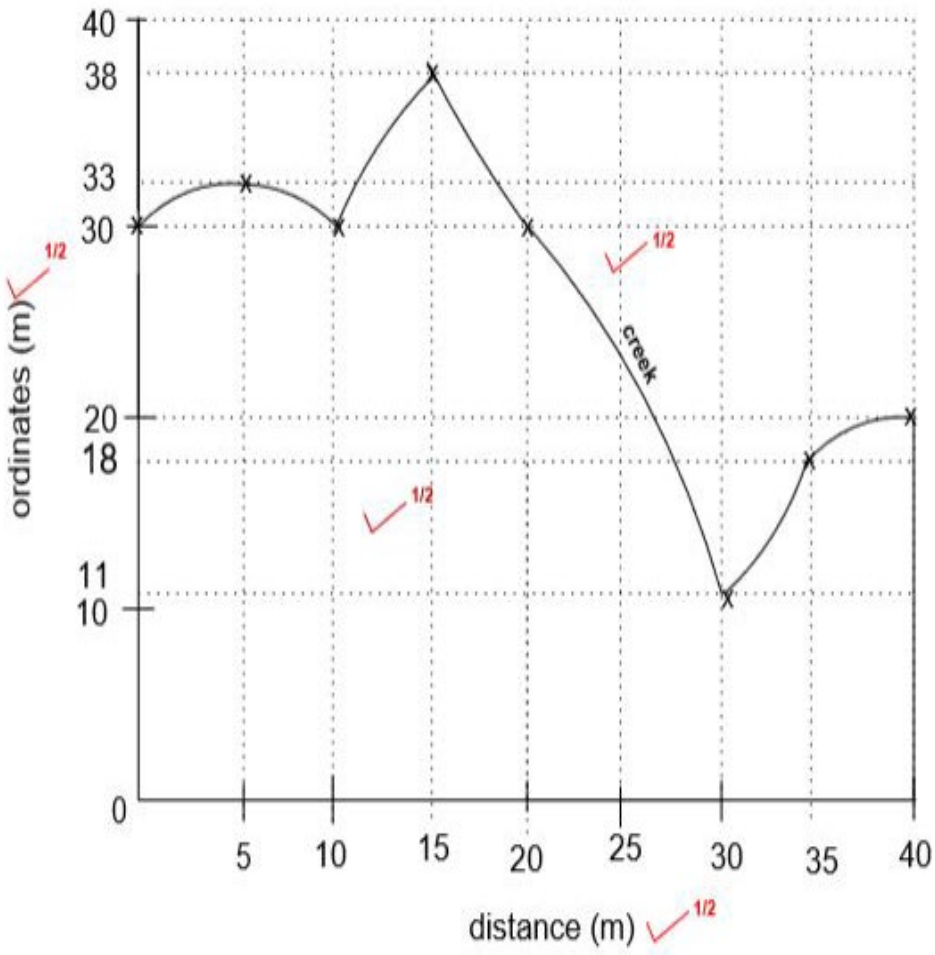
6.1 6.1.1 Mass haul
6.1.2 Mass haul diagram
6.1.3 Mass haul diagram
6.1.4 Formation level
6.1.5 Grade point
6.1.6 Balance points
6.1.7 Mass haul diagrams

(7 × 1) (7)

6.2 6.2.1 The site where materials are mined that are required for the construction project (2)

6.2.2 The transportation of excavated material from its original position to its final location in the work or other area (1)

6.3 6.3.1




(½ × 4) (2)

6.3.2 $A = ½ \times 5 [(30 + 20) + 2(33 + 30 + 38 + 30 + 18 + 11 + 18)]$✓
$A = ½ \times 5 [(50) + 2(178)]$
$A = 5 \times 406/2$✓
$A = 1\ 015\ m^2$✓ (3)

6.3.4 $A = 1/3 \times 5 [(30 + 20) + 2(30 + 30 + 11) + 4(33 + 38 + 18 + 18)]$✓
$A = ½ \times 5 [(50) + 2(71) + 4(107)]$
$A = ½ \times 5 [(50 + 142 + 428)]$✓
$A = 5 \times 620/3$✓
$A = 1\ 033{,}33\ m^2$✓ (4)

6.4 Both of them are precise (1)
**[10]**

## QUESTION 7

7.1
- Design development where drawings were not complete when going to tender
- Stakeholder requirements, which occur when a professional requests revision to specifications from observing site activities and project conditions
- Cost consideration that arises when the scope of work is either reduced or increased to meet the client's budget (3 × 2) (6)

7.2
- The contractor can no longer be penalised for not completing the project on time.
- The responsibility for insuring the building passes from the contractor to the client.
- Site instructions can no longer be issued unless to repair damage that occurred after the issuing of the certificate or to rectify defective work.
- The contractor is no longer responsible for security, a responsibility that must now be taken over by the client. (4 × 1) (4)
**[10]**

## QUESTION 8

8.1 8.1.1 The Occupational Health and Safety Act protects workers from hazards while in the workplace. It also promotes and improves the standards for occupational health and safety by requiring that the employer maintains a work environment that is safe and without risk to the health of the workers.

8.1.2 The Skills Development Act expands the knowledge and competencies of the labour force to improve productivity and employability.

8.1.3 The Employment Equity Act funds the Skills Development Scheme.

8.1.4 The Basic Conditions of Employment Act establishes and regulates basic conditions of employment, which include leave, work hours, severance pay and termination and variations to the Act by agreement.

8.1.5 The Labour Relations Act focuses on economic development, social justice, labour peace, fair labour practices, the formation of trade unions and employer's organisations, collective bargaining, and strikes and lockouts.

(5 × 2) (10)

8.2 8.2.1 National Home Builders Registration Council
8.2.2 South African National Standards
8.2.3 South African Bureau of Standards
8.2.4 Construction Industry Development Board
8.2.5 Engineering Council of South Africa

(5 × 1) (5)
**[15]**

**TOTAL: 100**

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