



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

QUANTITY SURVEYING N5

16 April 2026

This marking guideline consists of 10 pages.

SECTION A

QUESTION 1

1.1				1.2			
		A 86,2 88,30 84,00 87,60 346,1 ÷ 4 86,53 – 83,50 3,030✓ (Cut) ✓ C 90,50 92,70 87,30 91,20 361,70 ÷ 4 90,43 – 83,50 6,93 ✓ (cut) ✓ E 89,50 87,30 87,80 86,20 350,8 ÷ 4 87,7 – 83,5 4,20✓ (Cut) G 86,80 91,30 85,70 89,50 353,30 ÷ 4 88,33 – 83,50 4,83✓ (cut) I 83,50 85,70 83,50 252,70 ÷ 3 84,23 – 83,5 0,73✓ (cut)	B 87,30 91,20 86,20 88,30 353 ÷ 4 88,25 – 83,50 4,75✓ (cut) ✓ D 91,30 90,50 89,50 87,50 358,8 ÷ 4 89,7 – 83,5 6,20✓ (cut) F 85,70 89,50 83,50 87,87 346,50 ÷ 4 86,63 – 83,5 3,13✓ (cut) H 83,50 86,80 83,50 85,70 339,50 ÷ 4 84,87 – 83,5 1,38✓ (cut) 9 answers 3 for sketches 3 for cut /fill Total = (15)		3,03 4,75 6,93 6,20 4,20 3,13 4,83 1,38 0,73 5% 10%	Bulk excav. For open face excav. ✓ (cube × 110,00 × 55,00) = m³ - A Ditto (cube × 110 × 110) = m³ - B - C - D - E - F - G Ditto (cube × 110,00 × 82,5) = m³ - H Ditto (0,5 × 55,00 × 110,00 × cube) = m³ - I Allow 5% for excav. I soft ground✓ Allow 10 % for excav. In hard mat. ✓	(25) (2)

1.2 ALTERNATIVE

	110,00 55,00 3,03	Bulk excav. For open face excav. (cube × 110,00 × 55,00) = m ³ - A				
	110,00 110,00 4,75	Ditto (cube × 110 × 110) = m ³ - B				
	110,00 110,00 6,93	- C				
	110,00 110,00 6,20	- D				
	110,00 110,00 4,20	- E				
	110,00 110,00 3,13	- F				
	110,00 110,00 4,83	- G				
	11,00 82,50 1,38	Ditto (cube × 110,00 × 82,5) = m ³ - H				
0.5/	110,00 55,00 .73	Ditto (0,5 × 55,00 × 110,00 × cube) = m ³ - I				

QUESTION 2 (SQUARING)

✓	✓	Bulk excav. For open face excav. & E.o mat. For c.a.				
		$(3,03 \times 110,00 \times 55,00) =$ 18 331,50 m ³				
<u>3,03</u>	<u>3,03</u>	- A				
	✓	Ditto ✓				
<u>4,75</u>	<u>4,75</u>	$(30,04 \times 110 \times 110) =$ 363 484,00 m ³				
<u>6,93</u>	<u>6,93</u>	- B				
<u>6,20</u>	<u>6,20</u>	- C				
<u>4,20</u>	<u>4,20</u>	- D				
<u>3,13</u>	<u>3,13</u>	- E				
<u>4,83</u>	<u>4,83</u>	- F				
	<u>30,04</u>	- G				
		Ditto				
		$(1,38 \times 110,00 \times 82,5) =$ 12 523,50 m ³				
<u>1,38</u>	<u>1,38</u>	- H				
		Ditto				
<u>0,73</u>	<u>0,73</u>	$(0,5 \times 55,00 \times 110,00 \times$ $0,73) = 2 208 \text{ m}^3$				
		- I				
<u>19 827,35</u>	<u>19 827,35</u>	Allow 5% for excav. I soft ground				
<u>39 654,70</u>	<u>39 654,70</u>	Allow 10 % for excav. In hard mat.				
		✓				
		(3)				(4)

Check dimensions 1
Squaring 1
Run through 2
Transfers 1
Page no 1
Squaring 1
Check squaring 1
Any 5

QUESTION 2 (SQUARING ALTERNATIVE)

	110,00 55,00 3,03	<u>18331,50</u>	Bulk excav. For open face excav. (cube × 110,00 × 55,00) = m ³ - A				
	110,00 110,00 4,75	<u>57475,00</u>	Ditto (cube × 110 × 110) = m ³				
	110,00 110,00 6,93	<u>83853,00</u>	- B				
			- C				
	110,00 110,00 6,20	<u>75020,00</u>	- D				
	110,00 110,00 4,20	<u>50820,00</u>	- E				
	110,00 110,00 3,13	<u>37873,00</u>	- F				
	110,00 110,00 4,83	<u>58443,00</u>					
		<u>363484,00</u>	- G				
	11,00 82,50 1,38	<u>12 523,50</u>	Ditto (cube × 110,00 × 82,5) = m ³				
			- H				
0.5/	110,00 55,00 0,73	<u>2 208</u>	Ditto (0,5 × 55,00 × 110,00 × cube) = m ³ - I				

QUESTION 2 (Abstract)

SECTION OF AN UNEVEN GROUND ✓

EARTHWORKS

M³ ✓
Bulk excav. For open face ✓

18 331,50 2

363 484,00 2 ✓

12 523,50 2

2 208,00 2

396 547,00 2

396 547 M³ ✓

M³
E.o mat. Avail. For c.a surplus mat.

18 331,50 2

363 484,00 2

12 523,50 2

2 208,00 2

396 547,00 2

396 547 M³

M³
Allow 5% for excav. In Soft ground

19 827,35 2

19 828 M³

M³
Allow 10% for excav. In Soft ground

39 654,70 2

39 655 M³

Section	1
Trade	1
Unit	1
Page ref	1
Reducing	1
Col	1
Transfers	7

QUESTION 2 (BILLING)

✓	SECTION FOR LEVELLING UNEVEN GROUND✓				
	BILL NO: 1✓				
	EARTHWORKS✓				
	✓	✓			
	1	Bulk excavation for open-face excavation✓	M ³	396 547	
	2	Extra over mat available for cart away surplus material	M ³	396 547	
	3	Allow 5% for excavation in soft ground	M ³	19 828	
	4	Allow 10% for excavation in hard ground	M ³	39 655	
		Section 1			
		Trade 1			
		Bill number 1			
		Item number 1			
		Description 1			
		Unit 1			
		Quantity 1			
		Bill summary 1			
		8			
Bill carried to summary✓				R	00 00

[20]

TOTAL SECTION A: 60

SECTION B

QUESTION 3

- 3.1
- Attention to detail
 - Excellent communication skill.
 - Strong project management skills
 - Ability to work under pressure
 - In-depth knowledge of the construction industry
 - Strong leadership and decision-making skills
 - Ability to build and maintain positive relationships with client and subcontractors
 - Financial insight and ability to manage budgets effectively
 - Adaptability and willingness to embrace technology
 - Commitment to quality and safety standards
- (Any 5 × 1) (5)
- 3.2
- 3.2.1 A formal offer by a contractor
- 3.2.2 The process of calculating the cost of a project
- 3.2.3 A measure of percentage changes in average building costs in South Africa, based on an analysis of tariffs in an accepted tender supplied by a quantity surveyor.
- 3.2.4 In building, cost means the expense incurred by a contractor for labour, equipment, financing, services, utilities, etc., as well as overheads, including the contractor's profit.
- 3.2.5 A document that sets out the general purpose of a contract and the price
- (5 × 1) (5)
- [10]

QUESTION 4

- 4.1 False
- 4.2 True
- 4.3 False
- 4.4 True
- 4.5 True
- 4.6 True
- 4.7 True
- 4.8 True
- 4.9 False
- 4.10 True
- (10 × 1) [10]

QUESTION 5

- 5.1
- Change of schedule
 - Change in scope of work
 - Client's financial problems
 - Obstinate (stubborn) nature of client
 - Changes in specifications by the client
 - Inadequate details on working drawings
 - Shortage of skilled labour
 - Contractor's financial problems
 - Poor workmanship
 - Unavailability of equipment
- (Any 5 × 1) (5)
- 5.2
- Builder's work completed
 - Variation orders
 - Additions
 - Omissions
 - Subcontractor's work
 - Escalations (fluctuations)
 - Contingency amount
 - Prime cost items
 - Provisional items
 - Preliminaries
 - Errors in the documents
- (Any 5 × 1) (5)
- [10]**

QUESTION 6

Preliminaries	4/10	R 150 000.00	✓R60 000.00	
Earthworks	100%	R 95 300.00	✓R95 300.00	
Concrete, formwork and reinforcement	55%	R 550 220.00	✓R302 620.00	
Masonry	45%	R 220 500.00	✓R99 230.00	
Waterproofing	40%	R 20 310.00	✓R8 120.00	
Carpentry and joinery	3%	R 65 300.00	✓R1 960.00	
Plumbing and drainage			<u>R7000.00</u>	
BUILDER'S WORK COMPLETE			✓R574 230.00	
Add material on site			✓ <u>R9000.00</u>	
			✓R583 230.00	
Less 5% contract value (R 1 574 625,00)			✓ <u>R78 730.00</u>	
			✓R504 500.00	
Less previous payments			✓ <u>R386 230.00</u>	
Payment due to contractor			✓R118 270,00	
			(Any 10 × 1)	[10]
TOTAL SECTION B:			40	
GRAND TOTAL:			100	