



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

NOVEMBER EXAMINATION

QUANTITY SURVEYING N4

30 NOVEMBER 2016

This marking guideline consists of 6 pages.

SECTION A

QUESTION 1

			<u>Roof covering Checklist</u>				<u>Rain-water goods Checklist</u>
			Purlins Covering Ridge Fascia board Barge board				Gutter Stopped ends Outlet Downpipe Offset Shoe Channel
2/3	<u>6.20</u>		56 × 76 mm S.A.P purlins 6000 <u>2/100</u> 6200	2/	<u>6.20</u>		100 × 75 mm galvanised sheet iron eaves gutter including brackets & Primer and 2© enamel on g.s.i gutter
2/	<u>6.20</u>		76 × 76 mm wrot eaves purlins				Extra on g.s.i gutter for stopped ends
2/	<u>6.20</u>		g.s.i roof covering	2/	<u>2</u>		
	<u>2.30</u>	<u>28.52</u>		2/	<u>2</u>		Ditto for g.s.i outlet
	<u>6.20</u>	<u>6.20</u>	ditto ridge piece	2/2	<u>2.2</u>		100 × 75 mm galvanised sheet iron downpipe including brackets & Primer and 2© enamel on g.s.i gutter
2/	<u>6.20</u>		38 × 220 fascia board				Extra on g.s.i downpipe for offset & D.o for shoe & Precast conc r.w.c
4/	<u>2.30</u>		Ditto barge boards	2/	<u>2.</u>		
			[14]				[14]

MARKS

Taking off = 28

Squaring = 2

Abstracting = 5

Billing = 5

Total 40

QUESTION 1.2

<u>Roof work</u>									
G.S.I roof covering									
28.52									
29									
m									
G.S.I ridge piece									
6.2									
6									

QUESTION 1.3

No	Description	unit	qty	rate	rand	cents
	<u>ROOF WORK</u>					
	Bill no....					
1	Galvanised sheet-iron covering	M	29			
2	Galvanised sheet-iron ridge piece	M	6			
	Carried forward to summary					

TOTAL SECTION A: 40**SECTION B****QUESTION 2**

- 2.1 2.1.1 Excavation
- 2.1.2 Risk of collapse
- 2.1.3 Cement mortar
- 2.1.4 Ground level
- 2.1.5 Not exceeding
- 2.1.6 Clear site
- 2.1.7 Surface bed
- 2.1.8 Extra over brickwork
- 2.1.9 Facings
- 2.1.10 Exceeding

(10 × 1) (10)

2.2 Clearing the site of rubbish, debris, vegetation, shrubs, etc. shall be given in square metres,√√ stating the approximate area to be cleared, and descriptions shall include the removal of trees, tree stumps, surface paving, fences, walls, etc.√√ Where expedient the removal of trees and tree stumps may be given separately in number.√√

The stripping or excavation of turf or vegetable soil to be preserved shall be given in square metres stating the average depth and where it is to be deposited.√√

The removal of larger trees shall be given in number, the girth around the trunk 1 m high above ground level being stated.√√

(10)
[20]

QUESTION 3

- 3.1 3.1.1 number
- 3.1.2 square metre
- 3.1.3 number
- 3.1.4 number
- 3.1.5 number
- 3.1.6 number
- 3.1.7 cubic metre
- 3.1.8 square metre
- 3.1.9 square metre
- 3.1.10 square metre

(10 × 1) (10)

- 3.2 3.2.1 True
- 3.2.2 True
- 3.2.3 True
- 3.2.4 True
- 3.2.5 True
- 3.2.6 True
- 3.2.7 True
- 3.2.8 True
- 3.2.9 True
- 3.2.10 True

(10 × 1) (10)
[20]

QUESTION 4

4.1	4.1.1	It is an introductory section which describes the conditions under which the contract will be managed including indirect expenditures such as temporary hoarding, tool sheds etc.		
	4.1.2	Preambles are defined as general specification or description of workmanship relating to the type of materials required for each trade and is usually not included in the description of items. They also indicate how items are to be measured.		
	4.1.3	Builders work is made up of the various trades as it is indicated in the standard system of measuring with each trade having its own summary sheet.		
	4.1.4	This section summarises all sections and trades and includes the contingency sum which refers to unforeseeable cost that might arise during construction.		
	4.1.5	It is attached at the back of bills and the tenderer inserts his/her price, completion date etc.	(5 × 2)	(10)
4.2		<ul style="list-style-type: none">• The architect designs buildings and drawing plans and working drawings according to the needs and specifications of the client.• He/she appoints or recommends the contractor on behalf of the owner and negotiates most competitive rates.• He/she supervises the construction of the building and ensures that this continues whenever possible.• Ensures that construction of the building stays within the agreed budget.• Advises the client in terms of what action to take during the construction of a building.• Chairs all contract site meetings on behalf of the client.• Certifies all interim payment certificates.• Draws up the snag list.• Issues final completion certificate.• Issues all variation orders.	(10 x 1)	(10) [20]
			TOTAL SECTION B:	60
			GRAND TOTAL:	100