



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

DATA MANAGEMENT: FARMING N5

23 May 2024

This marking guideline consists of 12 pages.

SECTION A: THEORY

QUESTION 1

1.1	1.1.1	C	(10 × 2)	(20)
	1.1.2	B		
	1.1.3	C		
	1.1.4	B		
	1.1.5	A		
	1.1.6	C		
	1.1.7	A		
	1.1.8	A		
	1.1.9	A		
	1.1.10	D		
1.2	1.2.1	True	(10 × 1)	(10)
	1.2.2	False		
	1.2.3	True		
	1.2.4	False		
	1.2.5	False		
	1.2.6	True		
	1.2.7	True		
	1.2.8	False		
	1.2.9	True		
	1.2.10	True		
1.3	1.3.1	B	(10 × 1)	(10)
	1.3.2	A		
	1.3.3	D		
	1.3.4	C		
	1.3.5	G		
	1.3.6	F		
	1.3.7	I		
	1.3.8	E		
	1.3.9	H		
	1.3.10	J		
				[40]

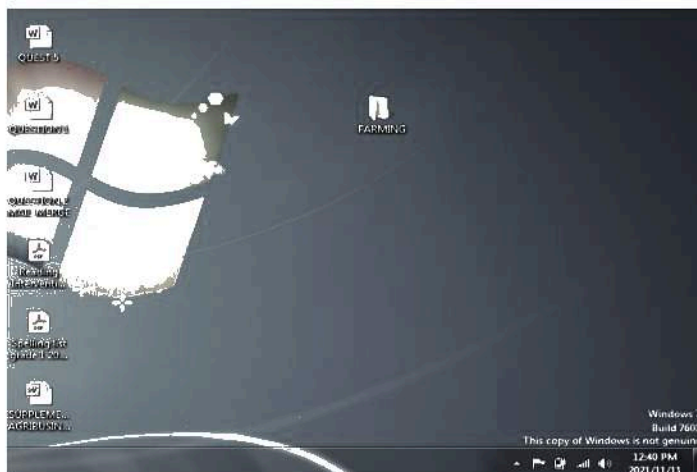
QUESTION 2

- | | | | | |
|-----|-------|--|---------|-------------|
| 2.1 | 2.1.1 | A folder stored inside another folder. | | |
| | 2.1.2 | Hardware and software that protect your network or network connection from instructions or attacks. | | |
| | 2.1.3 | Criminal activity that involves the use of computing devices and networks. | | |
| | 2.1.4 | Automatic starting routine that takes place when a computer is switched on using the power button. | | |
| | 2.1.5 | External computer devices, such as a modem, printer, mouse and speakers which are connected to the computer and controlled by the CPU. | (5 × 2) | (10) |
| 2.2 | 2.2.1 | Hard Disk Drive | | |
| | 2.2.2 | Graphical User Interface | | |
| | 2.2.3 | Information Communication Technology | | |
| | 2.2.4 | Digital Versatile Drive | | |
| | 2.2.5 | Repetitive Strain or Stress Injury | (5 × 2) | (10) |
| | | | | [20] |

QUESTION 3

- Right-click on the desktop✓
- Click on New✓
- Select folder ✓
- Type in the new name FARMING ✓

EXAMINATION NUMBER✓
QUESTION 3✓



FOLDER CREATED✓✓
FOLDER NAMED 'FARMER'✓

- 3.2 Compressed folder involves squashing the data in a file to reduce the size, which does affect the quality of the file. (2)
- 3.3
- Open documents folder and select the files to be compressed.✓
 - Right-click on the selection✓
 - Select Compressed (zipped) folder button✓
 - Name the zipped file✓
 - Press enter key. (5)
- 3.4
- 3.4.1 Icon
- 3.4.2 File Name
- 3.4.3 File extension
- 3.4.4 File Size
- (4 × 1) (4)
- [21]**

QUESTION 4

- 4.1
- 4.1.1 C: Win Zip
- 4.1.2 A: Ms Word
- 4.1.3 B: Ms Power Point
- (3 × 1) (3)
- 4.2
- Agriculture - Computers are used to manage farm operations such as record keeping, inventory management, financial analysis, and decision-making.
- Manufacturing - Computer-aided manufacturing (CAM) involves the use of computer systems to assist in the planning, control, and management of production operations.
- Education - Computers in education are used to provide Audio-Visual learning, research, online learning, maintain records, make documents, and learn new evolving technologies.
- Healthcare - Computers are widely used to operate medical machinery that conducts crucial medical tests including ultrasonography, CT scans, MRIs, blood tests, etc. (8)
- 4.3 Software that controls the operations and management of the computing device. (2)
- 4.4
- Provides a graphical user-interface
 - Manages applications, updates and files
 - Manages the hardware resources
 - Provides memory and performance management
 - Manages network connections (5)
- 4.5 Windows 95, 98, 2000, XP, Vista, NT, Linux ,Unix (1)
- [19]**

TOTAL SECTION A: 100

SECTION B: PRACTICAL

QUESTION 1: SPREADSHEET

EXAM NO. QUESTION 1.1✓✓

COLUMN WIDTH, VERDANA 12PT✓✓

A	B	C	D	E	F
1	FARM PRODUCE DURING PANDEMIC				
3	MARANATHA FARM				
	Hours				
5	PRODUCE picking	Tarrif/Hr	Amount	Deductions	Amount
6	Cabbages	38	R 10	UIF 2%	
7	Carrots	40	R 14.50	PAYE 10%	
8	Onions	56	R 18	PENSION 5%	
9	Potatoes	78	R 19		
10	Tomatoes	95	R 17.50		
11					

FIGURE 1

PRINT A4 LANDSCAPE,
W/OUT R/C HEADINGS ✓

(5)

BLANK
ROWS ✓✓

BOLD/
CENTRE ✓
WRAP
TEXT ✓

	A	B	C	D	E	F	G
1	FARM PRODUCE DURING THE PANDEMIC						
	u/L✓: 14pt✓:Goudy Stout✓:CENTRE ACROSS WIDTH✓						
2	MARANATHA FARM		BOLD✓: ITALIC ✓				
3	PRODUCE	Hours picking	Tarrif/Hr	Amount	Deductions	Amount	
4	Cabbages	38	R 10	R 380	UIF 2%	R 102.25	
5	Carrots	40	R 14.50	R 580	PAYE 10%	R 501.03	
6	Onions	56	R 18	R 1 008	PENSION 5%	R 409	
7	Potatoes	78	R 19	R 1 482	Medical Aid	R 500	
8	Tomatoes	95	R 17.50	R 1 663	Housing	R 1 000	
9							
10	Overtime 1.5%						
11	Total Earnings			R 5 113	TOTAL DEDUCTIONS	R 2 512.28	
12							
13	Net Wage	R 2 600.23					
14	Average Hours Worked	61.4					
15	No. of Vegetables	5					

CALCULATIONS

A✓ F✓
B✓ G✓
C✓ H✓
D✓ I✓
E✓

HORIZONTAL AND VERTICAL LINES✓✓

INTEGERS ZERO DP AND MONETARY
VALUES2DP ✓✓

R/ALIGN: BOLD ANSWERS CALC (A-H)✓✓

PRINT ON LANDSCAPE WITH ROW AND COLUMN HEADINGS: 1PAGE ✓✓

COLUMN WIDTH ADJUSTED ✓

TOTAL MARKS 28

CHANGE QUESTION NO TO 1.3 ✓

	A	B	C	D	E	F
1	FARM PRODUCE DURING THE PANDEMIC					
2	MARANATHA FAR					
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

PRODUCE	Hours picking	Tarrif/Hr	Amount	Deductions	Amount
Cabbages	38	10	=C7*D7	UIF 2%	=2%*E14
Carrots	40	14.5	=C8*D8	PAYE 10%	=(E14-G7)*10%
Onions	56	18	=C9*D9	PENSION 5%	=8%*E14
Potatoes	78	19	=C10*D10	Medical Aid	500
Tomatoes	95	17.5	=C11*D11	Housing	1000
Overtime 1.5%					
Total Earnings			=SUM(E7:E11)	TOTAL DEDUCTIONS	=SUM(G7:G11)
Net Wage	=E14-G14				
Average Hours Worked	=AVERAGE(C7:C11)				
No. of Vegetables	=COUNT(C7:C11)				

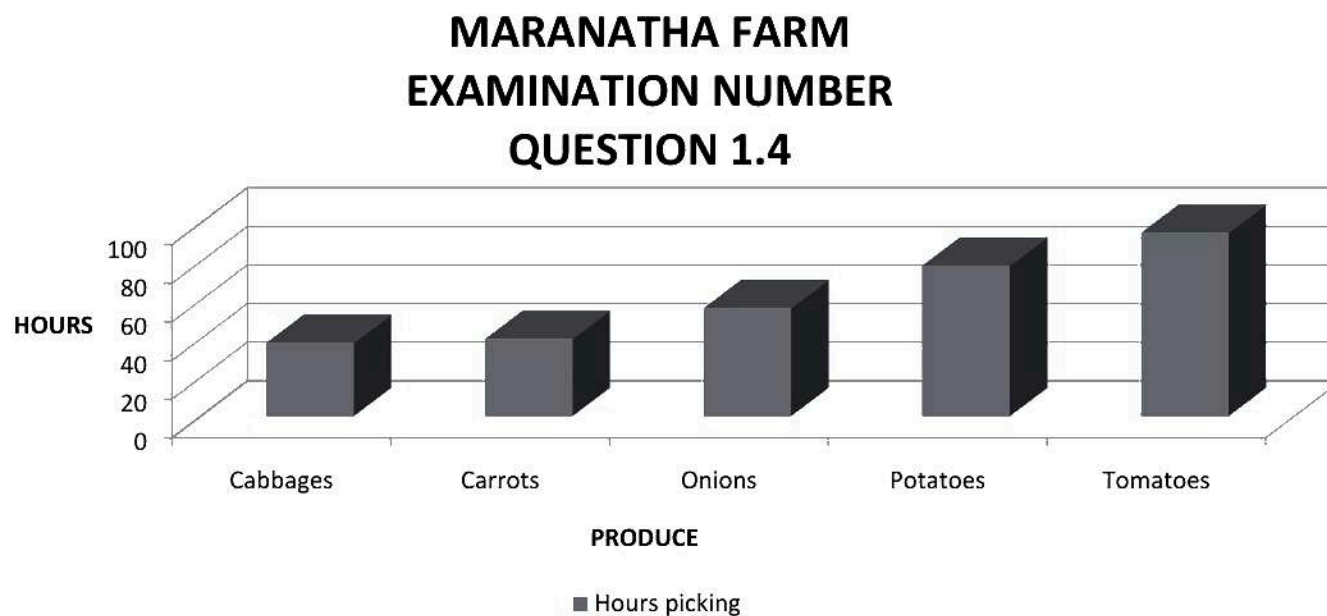
FORMULAE: (A, B, C)(D,E, F) (G H I) J ✓✓

ADJUST COLUMN WIDTHS ✓

PRINT L/SCAPE: WITH ROW AND COLUMN HEADINGS: 1 PAGE ✓

TOTAL MARKS (5)

CORRECT CHART TYPE ✓✓
 CORRECT CHART TITLE ✓✓✓
 LEGEND - Bottom ✓
 X-axis title ✓
 Y-axis title ✓



NEW SHEET ✓

PRINT LANDSCAPE: 1 PAGE ✓

TOTAL MARKS (10)

QUESTION 2: WORD

POTATO PRICES STILL ON THE INCREASE AS
VOLUMES REMAIN LOW.

✓✓✓

Courier new
12pt✓✓
Justification✓✓

UC✓
BOLD✓

The recent riots and looting in KwaZulu-Natal and Gauteng saw volumes of fresh produce decrease on markets as farmers struggled to move their freight. Despite this drop in volumes, some commodities also experienced a drop in price.

Demand for fresh produce at the end of June and the beginning of July were under pressure due to COVID-19-related lockdown restrictions that limited sit-down dining in restaurants. The civil unrest in KwaZulu-Natal and parts of Gauteng created further stress in the industry in mid-July.

INDENT
3CM✓✓

CABBAGES

Cabbage volumes were firm during the second half of June and the first fortnight of July, but market stakeholders noted that demand was weak. In the week of 12 July, the Tshwane Market reported a sluggish start to trading during the unrest, but consumer momentum has increased since then.

Volumes of cabbages dropped 18,9% between mid-June and mid-July. This month-to-month decrease was accompanied by a drop in price of 4,5%, which is regarded as a symptom of weak demand. Cabbage volumes were down 9,1% year-on-year, while prices were almost 43% lower for the same period.

TRIPLE
BORDER✓✓
CORRECT
PARAGRAPH
✓
GREY
SHADING✓

CARROTS

Carrots maintained good quality and market stakeholders reported an oversupply. In the week of the riots, the Durban market saw a 54% decrease in carrot volumes and a 30% increase in prices from the previous week.

Countrywide, carrot volumes increased 11,7% but volumes decreased 10,2%. Due to limited supplies, the price increased 6% m/m to reach R3402/t, but this was still 6,2% lower y/y.

ONIONS

The volume and price of onions rose respectively. This simultaneous increase suggests that demand for onions was also firm during the monthly period under review, and Gauteng market stakeholders in fact noted strong regional export demand. Onions traded on markets during winter are sourced predominantly from the Western Cape, but it is expected that onions from Limpopo could soon start entering the market.

POTATOES

TWO
COLUMNS ✓
✓
CORRECT
COLUMNS ✓
DOUBLE
UNDERLINE
✓

At the end of June, potato volumes were under pressure due to a gap in deliveries from various production regions. During autumn, the eastern Free State was a key potato supplier to the markets, but by the end of June, this supply had largely come to an end. It has also been reported that early volumes from Limpopo have not yet entered the market as a result of excessive rain, which delayed planting earlier in the year. In the week starting 12 July, unrest in KwaZulu-Natal and Gauteng created disruptions.

TOMATOES

Over the past month, market stakeholders reported that tomato quality improved notably from that seen earlier in 2021. Volumes were also firm, which puts prices under pressure. Market stakeholders noted that this was amplified by weak demand from the hospitality industry. The average price of tomatoes was R4283/t in mid-July, which was 33% lower y/y and almost 37% lower m/m. The significant m/m price decrease was due to a substantial increase in volumes over the past month, as mentioned above.

PRINTOUT ✓

(22)

QUESTION 3

C:\Users\student\Documents\FARM PRODUCE EXAM NUMBER.accd
Table: FARMING DURING PANDEMIC EXAM NUMBER

CORRECT
INFOR IN
COLUMN
✓✓

November 2021
Page: 1

Columns

Name	Type	Size
ID	Long Integer	4
PRODUCE	Text	20
CONSULTANT	Text	35
COST PRICE	Currency	8
NUMBER ORDERED	Integer	2
DISCOUNT	Long Integer	4
DATE SOLD	Date/Time	8

PORTRAIT ✓✓

CORRECT
INFOR IN
COLUMN
✓✓

CORRECT
INFOR IN
COLUMN
✓✓

CORRECT
INFOR IN
COLUMN
✓✓

TABLE NAME ✓✓

TOTAL: 10

FARMING DURING PANDEMIC EXAMINATION NUMBER

NO	PRODUCE	CONSULTANT	COST PRICE	NUMBER ORDERED	DISCOUNT	DATE SOLD
1	CABBAGES	Mabika K	R15.00	213850	10%	11/05/2020
2	CARROTS	Motaung G	R25.00	200000	5%	15/05/2020
3	ONIONS	Mokoena R	R39.53	350841	5%	18/04/2020
4	POTATOES	Willemse B	R103.87	152987	7%	26/05/2020
5	TOMATOES	Ramaphosa F	R24.97	379245	12%	22/05/2020
6	SPINACH	Mlalazi J	R9.99	150000	11%	29/05/2020

CORRECT
COLUMN
INFO✓✓✓
✓✓✓✓

L/SCAPE ✓

TOTAL : 10 MARKS

CORRECT
COLUMN
HEADINGS ✓✓✓

200000 AND
LESS ✓✓

TITLE ✓✓

QUESTION 3 REPORT EXAM NUMBER

PRODUCE	COST PRICE	NUMBER ORDERED	DATE SOLD
CARROTS	R 25.00	200000	2020/05/15
POTATOES	R 103.87	152987	2020/05/26
SPINACH	R 9.99	150000	2020/05/29

SORT IN
ASCENDING
ACCORDING
TO
PRODUCE ✓✓

[30]

TOTAL SECTION B: 100
GRAND TOTAL: 200