higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

DATA MANAGEMENT: FARMING N5

17 November 2023

This marking guideline consists of 11 pages.

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SECTION A: THEORY

QUESTION 1

1.1	1.1.1	C		
	1.1.2	D		
	1.1.3	C		
	1.1.4	B		
	1.1.5	D		
	1.1.6	B		
	1.1.7	A		
	1.1.8	B		
	1.1.9	D		
	1.1.10	D		
			(10 × 2)	(20)

1.2	1.2.1	True		
	1.2.2	False		
	1.2.3	True		
	1.2.4	True		
	1.2.5	False		
	1.2.6	True		
	1.2.7	True		
	1.2.8	True		
	1.2.9	True		
	1.2.10	True		
			(10 × 1)	(10)

1.3	1.3.1	.JPG		
	1.3.2	Parallel		
	1.3.3	Open source		
	1.3.4	Copyright		
	1.3.5	File virus		
	1.3.6	User friendly		
	1.3.7	Cold boot		
	1.3.8	Virus wall		
	1.3.9	Laser		
	1.3.10	File transfer protocol		
			(10 × 2)	(20)

1.4 1.4.1 Magnetic device that is used as external memory for the magnet storage of data.

1.4.2 Additional part of the operating system which displays windows, ribbons, drop down menus and pictures, called icons which corresponds to a particular function.

1.4.3 Moving related data on a hard disk drive to be stored together rather than scattered all over the disk.

1.4.4 Vertical series of cells in a spreadsheet.

1.4.5 A small business where people can pay to use a computer for a set amount of time to browse the internet, or to work on their own documents.

1.4.6 Debtors are people who owe you money.

(6 × 2) (12)

1.5 1.5.1 .jpg
1.5.2 .mp3
1.5.3 .pdf

(3 × 2) (6)
[68]

QUESTION 2

2.1
- Disk copy works with removable disk such as floppy disk. No hard disk.
- Copy is from hard disk to an external storage. (2 ×2) (4)

2.2
- Start
- Control Panel
- System and Security
- Backup and restore
- Click change settings /
- Backup. (5)

[9]

QUESTION 3

3.1 Antivirus (2)

3.2
- Accessing files which are virus infected
- Booting the computer from infected hard disk
- Browsing infected web pages.
- Just using the internet.
- Opening infected emails messages or attachments. (5)

3.3 File virus manifests itself in the memory and resides there until a certain program has been activated.

Boot sector virus insinuates itself onto the boot sector of a diskette or hard disk. Every time the computer is switched on, virus gains control of the system and copies itself onto the hard drive. (2 × 2) (4)

[11]

QUESTION 4

4.1 Pieces of paper that record money spent and money paid into a business (2)

4.2 4.2.1
- Income (money received)
- Expenses (payments/money spent) (2)

4.2.2
- Simple – easy to follow and simple to operate
- Secure – some files need to be locked away
- Easy to compare – current information should be easily accessible
- Convenient – a filling system should allow easy access. (4 × 2) (8)

[12]

TOTAL SECTION A: 100

SECTION B: PRACTICAL

QUESTION 1: SPREADSHEET

EXAM NO. QUESTION 1.1✓✓

NO RAW AND COL HEADINGS✓

	A	B	C	D	E	F	G
1	LOCAL FARMERS FIRST						
2	URBANOLOGI FRESH PRODUCE						
3							
4	NAME OF VEGETABLE	QUANTITY KGS	PRICE/ KGS	TOTAL COST	TOTAL INCOME	PROFIT AMOUNT	% PROFIT
5	SILVERBEET	95	R 59.80				
6	BRUSSEL SPROUTS	111	R 80.00				
7	ZUCCHINI	157	R 42.71				
8	YAM	84	R 39.79				
9	CELERY	56	R 201.00				
10	ASPARAGUS	65	R 87.00				
11	SHALLOT	190	R 89.87				
12	GARLIC	73	R 142.36				

WRAP TEXT✓

FIGURE 1

PRINT A4 LANDSCAPE ✓

(5)

BLANK ROWS ✓✓

LOCAL FARMERS FIRST

U/L✓ 18 PT✓ TIMES NEW ROMAN✓ : CENTRE ACROSS

URBANOLOGI FRESH PRODUCE

BOLD✓ : ITLIC ✓

NAME OF VEGETABLE	QUANTITY KGS	COST PRICE/ KG	TOTAL COST	TOTAL INCOME	PROFIT AMOUNT	% PROFIT
SILVERBEET	95	R 59.80	**R 5 681.00**	**R 7 214.87**	**R 1 533.87**	**8%**
BRUSSEL SPROUTS	111	R 80.00	**R 8 880.00**	**R 11 277.60**	**R 2 397.60**	**13%**
ZUCCHINI	157	R 42.71	**R 6 705.47**	**R 8 515.95**	**R 1 810.48**	**10%**
YAM	84	R 39.79	**R 3 342.36**	**R 4 244.80**	**R 902.44**	**5%**
CELERY	56	R 201.00	**R 11 256.00**	**R 14 295.12**	**R 3 039.12**	**16%**
ASPARAGUS	65	R 87.00	**R 5 655.00**	**R 7 181.85**	**R 1 526.85**	**8%**
SHALLOT	190	R 89.87	**R 17 075.30**	**R 21 685.63**	**R 4 610.33**	**25%**
GARLIC	73	R 142.36	**R 10 392.28**	**R 13 198.20**	**R 2 805.92**	**15%**
TOTAL	**831**	**R 742.53**	**R 68 987.41**	**R 87 614.01**	**R 18 626.60**	**100%**
AVERAGE					**R 2 328.33**	
COUNT				**8**		
HIGHEST						**25%**
VAT	15%					
MARK UP	12%					

BOLD/ CENTRE✓ WRAP TEXT✓

R/ALIGN: BOLD ANSWERS CALC (A-H)✓✓

CALCULATIONS

A✓✓ F✓✓

B✓✓ G✓✓

C✓✓ H✓✓

D✓✓

E✓✓

HORIZONTAL AND VERTICAL LINES✓✓

PRINT ON LANDSCAPE WITHOUT ROW AND COLUMN HEADINGS: 1PAGE ✓✓

R SIGN: 2 DECIMALS: INTEGER✓✓✓

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CHANGE QUESTION NO TO 1.3 ✓

LOCAL FARMERS FIRST

URBANOLOGI FRESH PRODUCE

NAME OF VEGETABLE	QUANTITY KGS	COST PRICE/ KG	TOTAL COST	TOTAL INCOME	PROFIT AMOUNT	% PROFIT
SILVERBEET	95	59.8	**=C5*B5**	**=D5+($B$19*D5)+($B$20*D5)**	**=E5-D5**	**=F5/$F$14**
BRUSSEL SPROUTS	111	80	**=C6*B6**	**=D6+($B$19*D6)+($B$20*D6)**	**=E6-D6**	**=F6/$F$14**
ZUCCHINI	157	42.71	**=C7*B7**	**=D7+($B$19*D7)+($B$20*D7)**	**=E7-D7**	**=F7/$F$14**
YAM	84	39.79	**=C8*B8**	**=D8+($B$19*D8)+($B$20*D8)**	**=E8-D8**	**=F8/$F$14**
CELERY	56	201	**=C9*B9**	**=D9+($B$19*D9)+($B$20*D9)**	**=E9-D9**	**=F9/$F$14**
ASPARAGUS	65	87	**=C10*B10**	**=D10+($B$19*D10)+($B$20*D10)**	**=E10-D10**	**=F10/$F$14**
SHALLOT	190	89.87	**=C11*B11**	**=D11+($B$19*D11)+($B$20*D11)**	**=E11-D11**	**=F11/$F$14**
GARLIC	73	142.36	**=C12*B12**	**=D12+($B$19*D12)+($B$20*D12)**	**=E12-D12**	**=F12/$F$14**
TOTAL	**=SUM(B5:B12)**	**=SUM(C5:C12)**	**=SUM(D5:D12)**	**=SUM(E5:E12)**	**=SUM(F5:F12)**	**=SUM(G5:G12)**
AVERAGE					**=AVERAGE(F5:F12)**	
COUNT				**=COUNT(B5:B12)**		
HIGHEST						**=MAX(G5:G12)**
VAT	0.15					
MARK UP	0.12					

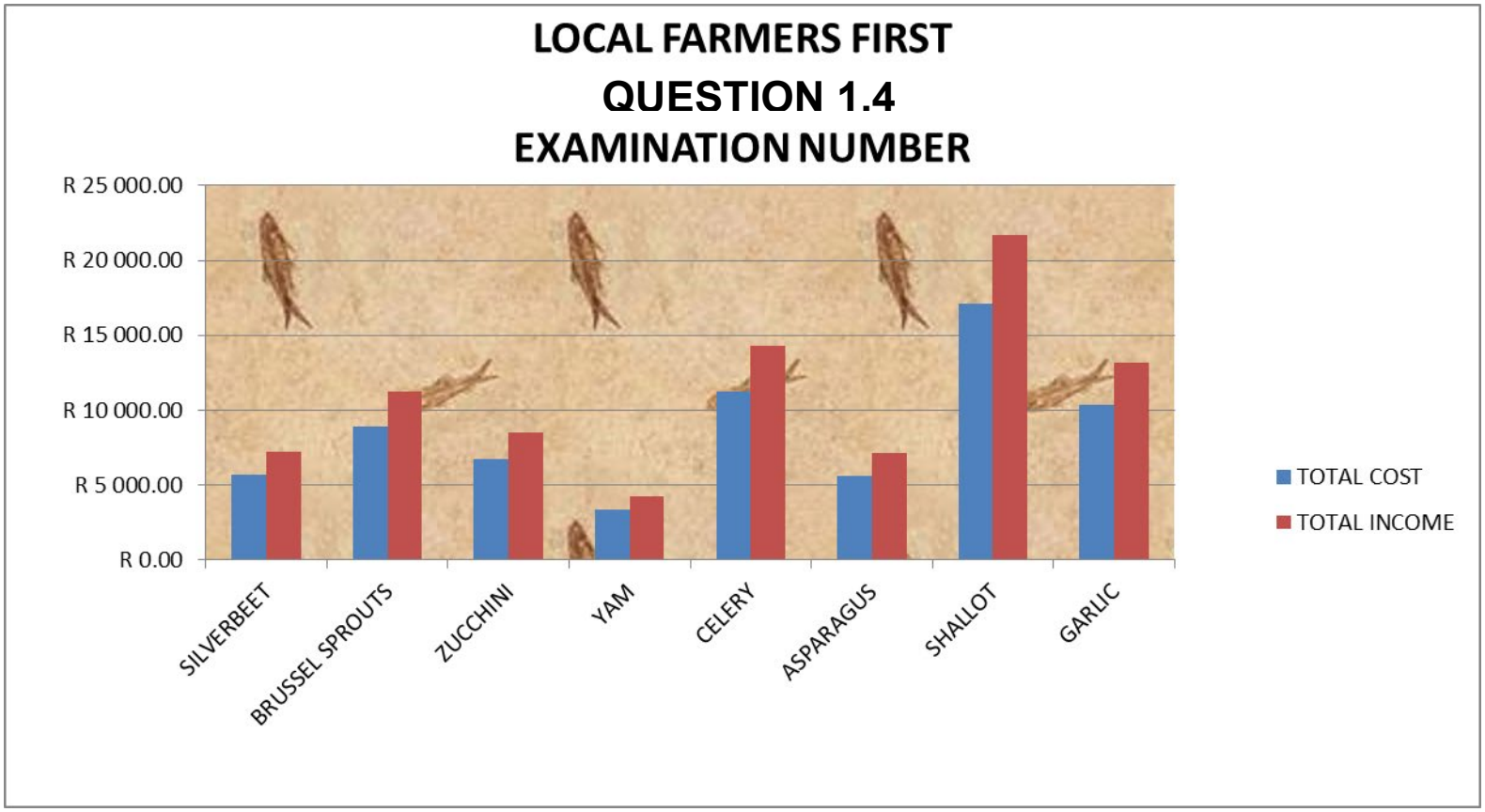
ADJUST COLUMN WIDTHS ✓

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

FORMULAE: A✓ B✓ C✓ D✓ E✓ F✓ G✓ H✓

TOTAL MARKS (12)

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1 COLUMN CHART✓

2 CHART TITLE ✓✓✓

4 PLOT AREA ✓

5 INSERT APPROPRIATE AXIS TITLES✓✓

3 LEGEND BOTTOM RIGHT✓

7 PRINT 1 LANDSCAPE PAGE ✓

6 NEW SHEET ✓

TOTAL MARKS (10)

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EXAM NUMBER ✓

QUESTION 2 ✓

THE CHEF WHO PUTS LOCAL FARMERS FIRST

✓✓✓✓✓

BOLD ✓

TOGGLE ✓

jack coetzee, CHEF AT A JOHANNESBURG-BASED RESTAURANT AND A BELIEVER IN SUSTAINABLE LIVING, SOURCES ALL HIS INGREDIENTS FROM WITHIN A 150 KM RADIUS OF THE RESTAURANT. To achieve this, he has worked hard at building close working relationships with local farmers.

LEFT AND RIGHT MARGIN 3.5 CM ✓

The vast majority of chefs create a menu and then find the ingredients. Jack Coetzee, the chef of Urbanologi-Asian fusion restaurant in the Johannesburg CBD has turned the process on its head. To achieve this, he has to journey into the rural areas of Gauteng, building relationships with farmers along the way to reach the point where all the ingredients for his menus are sourced from within 150 km of his restaurant. This is no mean feat in a world where the ingredients for a single piece of sushi can travel up to 25 000 km to reach a diner's plate.

EXPLORING THE BACKYARD

Coetzee notes that there are certain ingredients that simply are not available within the 150 km radius, but this has switched his thinking from designing a menu based on finding ingredients for what he wants to cook, to first looking at the ingredients available and then deciding what he can do with them. Interestingly, he is already used to this innovative approach; growing up on a ***iron*** in Zimbabwe with a limited grocery selection taught him to improvise.

BOLD & ITALICS ✓✓

After school, Coetzee studied to be a chef in Cape Town and was eventually drawn to Hazyview in Mpumalanga to head Summerfield Kitchen. "I was lured by the rural lifestyle as the restaurant is situated on a ***iron***, which also produced most of the vegetable patch. When I was offered the position at Urbanologi, I realised that I needed to do something different. There are plenty of chefs who can cook well, but I want to use my talent in a way that could benefit communities in a good way."

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PAGE BREAK✓ : CORRECT POSITION ✓

2X COLUMNS ✓ ✓

GREY SHADING ✓

JUSTIFY ✓

"I went to boarding school and the food was terrible", he laughs. "During holidays I'd come home, scratch around for old recipe books and start experimenting. Because we had a limited range of ingredients, I'd end up researching replacement ingredients and this eventually sparked a love for food and cooking."

"A few months ago, I sat back and realised that I could put an entire menu together based on what I was getting from these suppliers, all of whom were within a 150 km radius from the restaurant. And so Project 150 was born."

'WE SERVE SIMPLE THINGS THAT ARE LOCAL AND DELICIOUS'

FOOD PHYLOSOPHY

- This seasonality has required a concerted effort to change Urbanologi's customers' mind-set from wanting to enjoy their favourite dishes all year round to trying different meals and eating what is in season.

CONVERTING TEXT TO TABLE ✓✓

• This takes a lot of interaction with the customers and reiteration of our philosophy to promote micro seasons and the reasons behind it. For 150 days we feature an ingredient a day on our social media pages to get the message across about the seasonal, locally sourced food.	• Through this process we hope to at least plant the seed about sustainable eating. The menu states where the ingredients are sourced from and the distance to the ***iron***.

PAGE NO. BOTTOM RIGHT✓. NO 1ST PAGE ✓

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NO	CROP	PRODUCT CODE	DATE PURCHASED	UNITS IN STOCK	PRICE PER TONNE	ORGANIC	QUESTION 3
1	SILVER BEET	P035	2019/01/15	95	R 59.80	YES	QUESTION 3
2	BRUSSEL SPROUTS	H013	2019/03/01	111	R 80.00	NO	QUESTION 3
3	ZUCCHINI	G109	2019/03/30	157	R 42.71	YES	QUESTION 3
4	YAM	S097	2019/05/02	84	R 39.71	YES	QUESTION 3
5	CELERY	B158	2019/09/22	56	R 201.00	YES	QUESTION 3
6	ASPARAGUS	C456	2019/06/25	65	R 87.00	NO	QUESTION 3
7	SHALLOT	D043	2019/11/26	190	R 89.87	YES	QUESTION 3
8	GARLIC	PB10	2019/04/17	73	R142.36	NO	QUESTION 3

✓ ✓ ✓ ✓ ✓

WITH CHECK BOX ✓

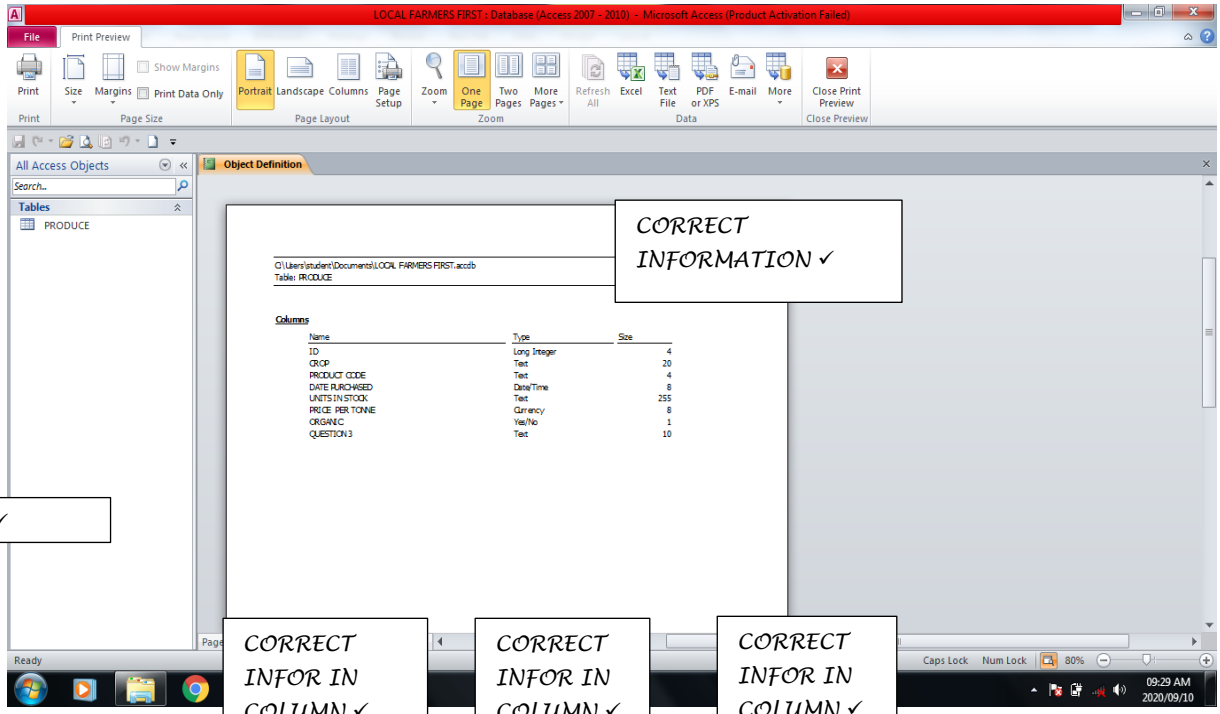
CORREC INFO

COLUNM WIDTH ✓

L/SCAPE ✓

TOTAL TABLE (08)

3.3



CORRECT INFORMATION ✓

PORTRAIT ✓

CORRECT INFOR IN COLUMN ✓

CORRECT INFOR IN COLUMN ✓

CORRECT INFOR IN COLUMN ✓

(5)

The screenshot of the report below does not agree with the question. It is about livestock while the questions is about produce.

ID NO QUEST 3 REPORT — TITTLE ✓ ✓

CORRECT COLUMN HEADINGS ✓

DATE PURCHASE	TYPE	NUMBER IN STOCK	PRICE
2016/10/09	DONKEY	2	R 2 300.00
2016/06/25	CATTLE	65	R 11 500.00
2014/05/02	SHEEP	560	R 2 500.00
2013/03/01	HORSE	12	R 12 599.00
	AVERAGE	✓	R 7 224.75 ✓

SORT IN DECENTING ACCORDING TO DATE PUIRCHASED ✓ ✓

ONLY THOSE WITH PRICE OFR R80.00 OR MORE ✓

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PORTRAIT ✓

(9)
[22]

TOTAL SECTION B: 100
GRAND TOTAL: 200

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