



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

DATA MANAGEMENT: FARMING N6

4 June 2024

This marking guideline consists of 11 pages.

SECTION A

QUESTION 1

- 1.1 B
- 1.2 C
- 1.3 C
- 1.4 A
- 1.5 C
- 1.6 D
- 1.7 B
- 1.8 B
- 1.9 A
- 1.10 A

(10 × 1) [10]

QUESTION 2

- 2.1 C
- 2.2 J
- 2.3 K
- 2.4 I
- 2.5 A
- 2.6 B
- 2.7 F
- 2.8 E
- 2.9 D
- 2.10 H

(10 × 1) [10]

QUESTION 3

- 3.1 False
- 3.2 True
- 3.3 False
- 3.4 False
- 3.5 True
- 3.6 False
- 3.7 False
- 3.8 True
- 3.9 False
- 3.10 True

(10 × 1) [10]

QUESTION 4

- 4.1
- Central processor and input/output storage devices
 - People
 - Communication channels
 - Communication control devices
 - Hardware connected to the host computer
 - Software
- (Any 5 × 1) (5)
- 4.2
- Dormancy period (hibernation period) – just after the virus has been attached to its host.✓✓
 - Propagation stage (transmission stage) – when a virus replicates itself and spreads to another location.✓✓
 - Moment when it is triggered – when it is activated.✓✓
 - Payload action stage – when it is usually destructive and does harm, e.g., deleting files.✓✓
- (8)
- 4.3
- Use fire extinguishers filled with carbon dioxide (CO₂).✓✓
 - Ensure that there is an emergency plan in place.✓✓
 - Ensure a clean environment without smoke and dust.✓✓
 - Duplicate some of the hardware and all important software.✓✓
 - Computer hardware can be covered under a normal short term insurance policy.✓✓
 - Buy a UPS (uninterruptible power supply) to avoid data loss during an power failure and to protect hardware against power surges.
- (Any 5 × 2) (10)
- [23]**

QUESTION 5

- 5.1 Salary – is a form of regular or monthly/periodic payment from an employer to an employee which may be specified in a contract.✓✓
- 5.2 Partitioning – It is done using MS-DOS format. To divide the hard drive into parts and make those parts available to the operating system.✓✓
- 5.3 Intranets – are local networks that uses the same programs as the internet to pass information between computers within a company or organisation.✓✓
- 5.4 Segmenting – To divide the hard drive into parts and make those parts available to the operating system. Also called partitioning.✓✓
- 5.5 Binary system – A way in which data is encoded into 0 and 1 by the computer so that it will be able to process and save it.✓✓
- (5 × 2) **[10]**

QUESTION 6

- 6.1
- WAN (wide area network) is a computer network that directly connects computers separated by long distance.✓✓
 - LAN (local area network) is a connection over a short distance and does not use wires owned by a telephone company, it connect computers in a department.✓✓ (2 × 2) (4)
- 6.2
- Right-click on the recycling bin icon✓
 - Klick on *Open* ✓
 - Select the file that you want to recover✓
 - Right-click on the file name and select *Restore*✓✓ (5)
- 6.3
- 6.3.1 Bad command or filename: The command or file name is not valid.✓✓ (2)
- 6.3.2 Insufficient disk space: There is not enough space on the disk to save the file ✓✓ (2)
- 6.4
- Fragmentation occurs as files on a disk are deleted and new files are added.✓✓
 - When a file is too big to fit in an open space, it is stored in fragmented parts – physically apart from each other.✓✓ (2 × 2) (4)
- [17]

TOTAL SECTION A: 80

SECTION B

QUESTION 7: WORD PROCESSING

7.1 Examination number and QUESTION 7 ✓✓✓✓✓

7.4 Two columns with a line ✓✓✓✓

7.2. Font and size ✓✓✓

IMPROVING BIOSECURITY SURVEILLANCE AND ANALYSIS

7.5. Pic moved ✓ to top right ✓ pic boarder 6 pt ✓ pic size reduced ✓✓✓



Agricultural Competitiveness White Paper

7.3 Bold, ✓ italics, ✓ font Jokerman, ✓ size ✓

Supporting access to premium markets by improving biosecurity surveillance and analysis

7.4 Shading applied ✓✓

The *Agricultural Competitiveness White Paper* (the *White Paper*) is the Australian Government's plan to grow agriculture. It is a \$4 billion investment in our farmers and in the future of our nation. There are five key priorities to the *White Paper*:

7.6 Bullets ✓✓

- ❖ Fairer going for farm businesses
- ❖ Building the infrastructure of the 21st century
- ❖ Strengthening our approach to drought and risk management
- ❖ Farming smarter
- ❖ Accessing premium markets.

Biosecurity is a key contributor to the *White Paper*'s fifth key priority 'Accessing premium markets.'

Australia is free from many pests and diseases found around the world. This enables our farmers to be more productive and profitable, and makes our agricultural products more attractive overseas. This is only possible thanks to a strong biosecurity system that protects our agricultural industries, environment and economy from the threat of exotic pests and diseases.

The risks posed by exotic pests and diseases are changing due to growing international passenger and trade volumes, population expansion, the emergence of new pests and diseases and regional development. Now more than ever, it's important that we ensure we are getting biosecurity right and that we have the resources to do so.

The funds are being used to help keep pests and diseases out of Australia and identify and respond to pests and diseases when they arrive. They are also helping to enhance import and export processes. A review of all import conditions, based on our assessment of the risks they pose, has already resulted in changes to some conditions for certain commodities. This work will help us to manage biosecurity risks associated with imports in the best way possible – reducing biosecurity risks and limiting potential incursions and the establishment of pests and diseases. While the *White Paper* provides funding over four years, the work is creating a legacy that will last beyond the four-year funding timeframe.

Biosecurity surveillance and analysis initiative funded by the *White Paper*

7.7 Shading removed✓✓

Community-based action

Strengthening surveillance

7.8 paragraphs in two columns✓✓ separating line✓

Biosecurity is a shared responsibility, and the more we can involve the community in understanding and addressing biosecurity issues, the better our biosecurity outcomes will be. To reduce risk associated with the north's remoteness, we're expanding the Indigenous Rangers Program and the important biosecurity work they do. Through targeted messaging in various formats, including supporting community events, we are raising biosecurity awareness across the north.

Surveillance is an important part of a strong biosecurity system. It helps to detect and respond to biosecurity threats, and provides information about what pests and diseases are present and where. It also importantly provides evidence to show freedom from pests and diseases to support market access. This funding is allowing us to extend our surveillance strategies and conduct additional surveillance activities, with a particular focus on the north, as well as near neighbouring countries.

Farmers and farm businesses

7.9 Bold✓ italics✓ 2.5 line spacing✓

Good biosecurity makes our farmers more productive, efficient and profitable. When farmers don't have to worry about pests and diseases affecting their crops and livestock, they spend less on pest and disease control and maintenance. This means better farm gate returns and better quality food on Australian tables

7.10 Page numbering inserted staring at 4✓
7.11 Print ✓

QUESTION 8A: SPREADSHEET

8.1 Correct program and accuracy ✓✓✓✓✓

	A	B	C	D	E	F
1	SUPERVISORY CLOCK CARD					
2						
3						
4		MORNING		AFTERNOON		
		TIME IN	TIME OUT	TIME IN	TIME OUT	
5	Monday	07:30	13:50	14:00	17:30	
6	Tuesday	07:30	13:00	14:20	17:00	
7	Wednesday	08:00	13:00	14:00	17:30	
8	Thursday	07:30	13:30	14:00	17:30	
9	Friday	07:30	13:00	14:00	17:00	
10	Saturday	08:00	13:00			
11	Sunday	11:00	14:00			
12						
13	WAGE STATEMENT					
14						
15	EARNINGS	HOURS	TARIFF	AMOUNT	DEDUCTION	AMOUNT
16	Normal time		100.00		UIF 1%	
17	Overtime 2				PENS 8%	
18	Overtime 3				PAYE 10%	
19					MED AIDS	60,99
20	Total earnings				HOUSING	80,50
21	Taxable income					
22	Total deductions					
23						
24	NET WAGE					

8.2 Examination and QUESTION 8A as header: ✓✓

8.3 Columns adjusted ✓

8.5 Printed WITH row and column headings ✓✓

(10)

QUESTION 8B

SUPERVISORY CLOCK CARD

	MORNING		AFTERNOON		NORMAL TIME HOURS	OVERTIME HOURS
	IN	OUT	IN	OUT		
MONDAY	07:30	13:50	14:00	17:30	9,8	
TUESDAY	07:30	13:00	14:20	17:00	8,2	
WEDNESDAY	08:00	13:00	14:00	17:30	8,5	
THURSDAY	07:30	13:30	14:00	17:30	9,5	
FRIDAY	07:30	13:00	14:00	17:00	8,5	
SATURDAY	08:00	13:00				5,0
SUNDAY	11:00	14:00				3,0

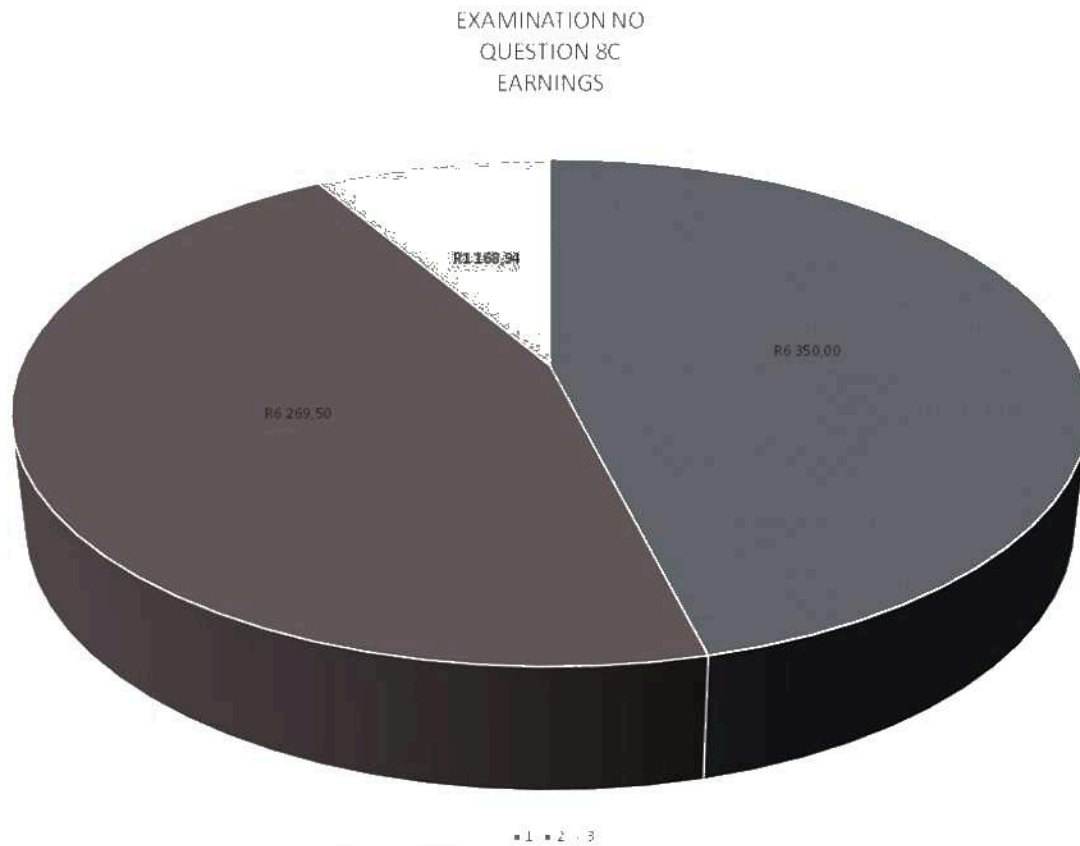
WAGE STATEMENT

EARNINGS	HOURS	TARIFF	AMOUNT	DEDUCTIONS	AMOUNT
Normal time	44,5	R100,00	R4 450,00	UIF 1%	R44,50
Overtime 2	5,0	R200,00	R1 000,00	PENS 8%	R356,00
Overtime 3	3,0	R300,00	R900,00	PAYE 10%	R626,95
				MED AIDS	R60,99
Total earnings			R6 350,00	HOUSING	R80,50
Taxable income			R6 269,50		
Total deductions			R1 168,94		
NET WAGE			R5 181,06		

- 8.6 Header changed to QUESTION 8B✓
 8.7 Information and columns added✓✓
 8.8 Merge & centre✓ font Jokerman 18 pt,✓ shading✓✓
 8.9. A = Normal Hours calculated correctly✓✓
 B = Overtime Saturday calculated correctly✓✓
 C = Overtime Sunday calculated correctly✓✓
 8.10 A, B, C answers transferred correctly✓✓
 D = correct calculation✓✓
 E = correct calculation✓✓
 F = correct calculation✓✓
 G = correct calculation✓✓
 H = correct calculation✓✓
 I = correct calculation✓✓
 J = correct calculation✓✓
 K = correct calculation✓✓
 L = correct calculation✓✓
 M = correct calculation✓✓
 8.11 R sign and decimal✓✓
 8.12 Lines correctly inserted✓✓
 8.13 Printed in landscape format✓

(40)

QUESTION 8C



8.14.1 3-D Pie chart created✓✓
8.14.2 Title information added✓✓✓
8.14.3 Labels inserted centre✓✓✓
8.15 Printed on ONE landscape page✓✓
TOTAL: 10

(10)
[60]

QUESTION 9: DATABASE

C:\Users\...Documents\FERTILIZERS EXAMINATION.accdb Sunday, 31 October 2021
Table: QUEST 9 EXAMINATION NO Page: 1

Columns

Name	Type	Size
ID	Long Integer	4
FERTILIZERS	Short Text	20
DATE PURCHASED	Date With Time	8
NUMBER OF STOCK	Long Integer	4
PRICE	Currency	8
EFFECTIVE	Yes/No	1
TOTAL AMOUNT	Currency	8

9.1 Database File name: Fertilizers, Examination number✓✓✓✓
Field, Type, size✓✓✓✓
Printed in portrait✓✓

(10)

QUEST 9 EXAMINATION NO

2021/10/31

ID	FERTILIZERS	DATE PURCHASED	NUMBER OF STOCK	PRICE	EFFECTIVE	TOTAL AMOUNT
7	Calcium nitrite	2021/04/09	20	R280,00	☒	R5 600,00
5	Ammonium nit	2020/12/06	35	R60,00	☒	R2 100,00
1	Nitrogen	2019/01/15	50	R300,00	☒	R1 500,00
4	Nitric Acid	2021/05/02	56	R50,00	☒	R280,00
3	Potassium	2020/01/30	60	R200,00	☐	R1 200,00
6	Superphosphat	2021/06/25	65	R220,00	☐	R14 300,00
2	Phosphate	2018/03/01	120	R350,00	☐	R45 600,00

9.2 Table information,✓✓✓ accuracy✓✓✓✓✓
Printed ONE landscape page✓✓

(10)

EXAMINATION NO: QUEST 9.3

FERTILIZERS	DATE PURCHASED	TOTAL AMOUNT
Superphosphate	2021/06/25	R14 300,00
Nitric Acid	2021/05/02	R280,00
Calcium nitrite	2021/04/09	R5 600,00
Ammonium nitrate	2020/12/06	R2 100,00
Potassium	2020/01/30	R1 200,00
Nitrogen	2019/01/15	R1 500,00
Phosphate	2018/03/01	R45 600,00
GRAND TOTAL		R70 580,00

- 9.3 Report created with correct fields✓**
9.3.1 Sorted descending according to date✓✓
9.3.2 Report title✓✓
9.3.3 Grand Total inserted✓✓ Amount and R inserted✓✓
9.3.4 Printed✓

10

(10)
[30]

TOTAL SECTION B: 120
GRAND TOTAL: 200