



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

COMPUTER PRACTICE: FARMING N6

27 May 2026

This marking guideline consists of 10 pages.

SECTION A

QUESTION 1

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

(10 × 1) [10]

QUESTION 2

2.1 **Hardware-related theft**

- Actual theft✓
- Damage by fire, water or physical destruction✓

Information theft

- When stealing data or information from your devices✓
- When criminals (crackers, hackers) gain unauthorised access to computers illegally to identify flaws in the system✓

(Any other relevant answers) (4)

2.2 A **computer virus** is malware that spreads from one computer to another and causes damage to data and software. ✓✓

Examples include:

- Systems or boot virus
- Macro virus
- Worm
- Ransomware
- Polymorphic virus✓✓✓

(Any other relevant answers) (5)
[9]

QUESTION 3

3.1

Email:	Instant messaging:	Videoconferencing:
• Gmail✓ • Outlook✓ • iCloud Mail✓	• WhatsApp✓ • Messenger✓ • Telegram✓ • Signal	• Zoom✓ • Microsoft Teams • WebEx✓ • Skype✓

(3 × 3)

(9)

3.2

E-commerce is the buying and selling of goods or services online.✓✓

(Any other relevant answers)

(2)

[11]

QUESTION 4

- 4.1 Garbage in, garbage out✓✓
- 4.2 Hypertext transfer protocol✓✓
- 4.3 Internet Protocol✓✓
- 4.4 Local area network ✓✓
- 4.5 Uniform Resource Locator✓✓

(5 × 2)

[10]

TOTAL SECTION A:

40

QUESTION 5

AQUACULTURE FARMING

5 Cambria, 20 pt 6 underline 7 UC 2 x accuracy for text

8 Correct paragraph/1.58" 9 indent 4 cm both sides 10 line spacing 1.5 11 justify

Fish farming, or aquaculture, is a growing industry in South Africa, offering a sustainable way to produce fish while addressing the country's increasing demand for food. For South African farmers, fish farming presents a lucrative opportunity to diversify agricultural activities, improve food security, and create employment. If you're considering starting a fish farming venture, this guide will walk you through the essential steps to get started.

Figure 1: Aqua faming in SA

14 Correct picture, right-aligned
15 Picture style: Metal Frame

16 Picture size 6 cm/2.36" (height) x
8 cm/3.15" (width)

Caption:

17 above image on first page

18 Figure Label Option used
(Figure 1 displayed)

2 x accuracy for text



Choose the Right Fish Species (Fourie, 2024)

19 Correct citation inserted (after the
sub-heading) 20 AP reference style

Tilapia: A hardy, fast-growing species that adapts well to various environments. Tilapia is in high demand due to its mild taste and nutritional value.

Catfish: Known for its resilience and ability to grow in poor water conditions, catfish is an ideal species for small-scale farmers.

Trout: Best suited for colder climates, particularly in regions like the Western Cape and parts of KwaZulu-Natal, trout farming can be profitable if you have access to cold, clean water.

1 **Header:** EXAMINATION NUMBER (PC NO) left, QUESTION 5 centre 1 x accuracy

2 All margins: 1.27 cm/0.5" 3 Font: including Header: Times New Roman 12 pt 4 Justification: the whole document

ATION NO (PC)

QUESTION 5

- ¶
- Understand the Market Demand (Xaba, 2023) ¶ 19 Correct citation inserted (after the sub-heading) 20 AP reference style ¶

¶ Section Break (Continuous) ¶

Local consumers: ¶

Many urban and rural communities in South Africa have a growing appetite for fresh, locally-produced fish. ¶

Restaurants and supermarkets: ¶

Partner with local food retailers and hospitality businesses to supply them with fresh or processed fish. ¶

Export market: ¶

Depending on your production scale, you may want to explore export opportunities, particularly for high-demand species like tilapia and trout. ¶

AFTER COLUMNS THERE SHOULD BE ONLY 2 ENTERS

21 Correct paragraphs in 3 columns, 22 correct column break, 23 line between columns, ¶

24 Column headings B, J - 25 Columns centred ¶

Bibliography ¶

Fourie, K. (2024). *Aqua practices*. PASA. ¶

Xaba, S. (2023). *Fish farming*. BOLT. ¶

¶

26 Bibliography inserted, at the end of the document ¶

27 Font: Lucida Bright 14 pt ¶

28 Correct page breaks ¶

2 x Accuracy ¶

A ¶	M ¶	T ¶	¶
7 ¶	28 ¶	35 ¶	¶

[35]

QUESTION 6

4 Arial Narrow 5 24 pt 6 uc
3 x accuracy for text

AQUACULTURE FARMING QUESTIONNAIRE

Section A: Farmer Information

6 wave underline
3 x accuracy for text

Name of Farmer	Click or tap here to enter text.	7 ✓
Farm Name	Click or tap here to enter text.	8 ✓
Contact number	Click or tap here to enter text.	9 ✓
Email Address	Click or tap here to enter text.	10 ✓
Date	Click or tap to enter a date.	11 ✓

12 light-grey shading 25% ✓ 13 correct column ✓

Section B: Farm Details

Type of Aquaculture	☐ Fish ☐ Shrimp ☐ Shellfish	14 ✓ 15 ✓ 16 ✓
Product sales channels	☐ Local market ☐ Export	17 ✓ 18 ✓
Farm stamp / logo 19 Insert correct image 20 4 cm/1.58" H x 4 cm/1.58" W 21 long dash border around the image		



22 Insert correct shape
23 coloured outline black
24 Insert correct text
25 Kristen ITC
26 16 pt
27 centre shape
2 x accuracy for text

A	M	T
8	27	35

[35]

1 **Footer:** EXAMINATION NUMBER (PC NO) centre, QUESTION 6 right
2 All margins: 2.54 cm/1"
3 Font: including footer: Trebuchet MS 12 pt

QUESTION 7

AQUACULTURE FARMING QUESTIONNAIRE

Section A: Farmer Information

Name of Farmer	Thabo Silwane	3 ✓
Farm Name	AQUA MARINE	4 ✓
Contact number	0860 60 50 40	5 ✓
Email Address	thabo@aquamarine.com	6 ✓
Date	2026/04/25	7 ✓

Section B: Farm Details

Type of Aquaculture	☐ Fish ☒ Shrimp ☐ Shellfish	8 ✓
Product sales channels	☐ Local market ☒ Export	9 ✓
Farm stamp / logo		

10 ✓ Control fields Font: Bradley Hand ITC 14 pt



M	T
10	10

[10]

1 **Footer:** EXAMINATION NUMBER (PC NO) left, QUESTION 7 right
 2 Font: including footer: Trebuchet MS 12 pt

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	2) Salmon to Shrimp ✓ 3) * 12 ✓				11) currency format ✓				4) PT1 in G3 ✓ 5) Sum of Totals ✓ 6) Species as ROWS ✓				7) Year as COLUMNS ✓ 8) Icon sets & ranges ✓ 9) 3 stars ✓				10) Cell widths H - L 12 pt ✓ 11) Currency, 2 decimals ✓			
2	Year	Species	Farms	Tons	Revenue	Sum of Totals Row Labels				2021	2022	2023	2024 Grand Total							
3	2023	Trappia	Pond	180	R2 100.00	Calfish				R5 10.00	R2 10.00	R3 45.00	R1 365.00							
4	2022	Calfish	Cage	130	R1 050.00	Salmon				R50.00	R195.00	R2 40.00	R8 35.00							
5	2023	Salmon	Pond	80	R1 400.00	Trappia				R145.00	R360.00	R135.00	R6 70.00							
6	2024	Calfish	Marine	95	R8 600.00	Grand Total				R195.00	R205.00	R2 40.00	R8 30.00							
7	2024	Salmon	Marine	150	R1 200.00															
8	2023	Trappia	Cage	95	R2 200.00															
9	2022	Calfish	Aqua	200	R1 000.00															
10	2023	Salmon	Pond	80	R2 600.00															
11	2024	Calfish	Aqua	100	R4900.00															
12	2024	Calfish	Marine	185	R1 000.00															
13	2023	Salmon	Pond	80	R1 200.00															
14	2022	Calfish	Cage	150	R1 150.00															
15	2022	Salmon	Cage	195	R1 300.00															
16	2021	Trappia	Aqua	95	R8 700.00															
17	2023	Trappia	Pond	60	R5 600.00															
18	2021	Salmon	Cage	50	R6 500.00															
19	2024	Calfish	Cage	110	R8 400.00															
20	2021	Trappia	Cage	50	R5 500.00															
21	2023	Calfish	Cage	85	R1 200.00															
22	2022	Calfish	Marine	45	R1 450.00															
23	2023	Calfish	Marine	125	R1 480.00															
24	2024	Trappia	Aqua	135	R3 300.00															
25	2022	Calfish	Cage	75	R2 400.00															
26	2024	Calfish	Cage	55	R7 500.00															
27	2023	Trappia	Aqua	55	R6 450.00															
28	24) EXAM NO (PCI, LA) ✓																			
29	25) file + pathname in footer, RA ✓																			
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QUESTION 9

	A	B	C	D	E	F	G	H	I
1	1 Arial 11 pt. entire doc ✓				SPECIES REFERENCE				
2	2 Header with Q9 left ✓ and 3 E no right ✓				6 Verdana ✓ 7 16 pt ✓ 8 UC ✓ 9 merge and centre A1-F1 ✓				
3	POND ID	SPECIES CODE	AVG WEIGHT (g)	SURVIVAL RATE (%)					
4	P01	TIL	250	95%					
5	P02	CAT	180	80%					
6	P03	SAL	400	90%					
7	P04	SHR	30	70%					
8									
9									
10		TIL	CAT	SAL	SHR				
11	Species name	Tilapia	Catfish	Salmon	Shrimp				
12	Feed type	Floating	Sinking	Floating	Pellet				
13									
14	EXPECTED FINAL OUTPUT				13 Tahoma 16 pt ✓ 14 UC ✓ 15 Italics ✓				
15	18 ✓ 19 ✓		20 ✓ 21 ✓		22 ✓ 23 ✓		24 ✓ 25 ✓		
16	POND ID	SPECIES CODE	SPECIES NAME	FEED TYPE	PERFORMANCE CATEGORY	REPORT LABEL			
17	P02	CAT	Catfish	Sinking	EXCELLENT	P02 Catfish			
18	P03	SAL	Salmon	Floating	MODERATE	P03 Salmon			
19	P04	SHR	Shrimp	Pellet	MODERATE	P04 Shrimp			
20	P01	TIL	Tilapia	Floating	RISKY	P01 Tilapia			
21	26 rest ✓								
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NO MARKS ARE ALLOCATED FOR COLUMN HEADINGS AT BOTTOM: CENTURY, ITALICS, CENTRE HEADINGS
NOTE: NO PENALISING FOR FONT SIZE AT CENTURY, AS THERE WAS NOT A SIZE SPECIFIED

35

27 CONCAT ✓
28 use correct cell ref ✓
29 blank space between ✓

30 copied all answers ✓
31 BOLD, all answers ✓
32 INSERT COLUMN C - SPECIES NAME ✓
33 all answers RIGHT-ALIGNED ✓
34 Print with R+C headings ✓
35 landscape on ONE page ✓

[35]

Please turn over

QUESTION 10

[20]

TOTAL SECTION A: 40
TOTAL SECTION B: 160
GROOTTOTAAL: 200