higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NASIENRIGLYN

NASIONALE SERTIFIKAAT

DATABESTUUR: BOERDERY N4

13 NOVEMBER 2019

Hierdie nasienriglyn bestaan uit 7 bladsye.

Kopiereg voorbehou

VRAAG 1

1.1	1.1.1	C		
	1.1.2	A		
	1.1.3	D		
	1.1.4	C		
	1.1.5	C		
	1.1.6	D		
	1.1.7	C		
	1.1.8	A		
	1.1.9	B		
	1.1.10	C		
			(10 × 2)	(20)
1.2	1.2.1	H		
	1.2.2	G		
	1.2.3	A		
	1.2.4	B		
	1.2.5	D		
	1.2.6	E		
	1.2.7	C		
			(7 × 2)	(14)
1.3.	1.3.1	Onwaar		
	1.3.2	Onwaar		
	1.3.3	Waar		
	1.3.4	Waar		
	1.3.5	Onwaar		
	1.3.6	Onwaar		
	1.3.7	Waar		
	1.3.8	Waar		
	1.3.9	Waar		
	1.3.10	Waar		
			(10 × 2)	(20)
				[54]

VRAAG 2

1

2. Sagtewareroof is die onwettige kopiëring van sagteware waarop kopiereg voorbehou word.

2.2 Ergonomie is die studie van die mens se vermoëns en beperkings in die ontwerp van masjiene en toerusting wat deur mense gebruik kan word.

2.3 'n Virus is 'n stel instruksies wat sagteware infekteer en in uitvoerbare programme ingevoer word.

2.4 Gratis programme word deur rekenaargebruikerklubs en publikasies verniet aan enigiemand beskikbaar gestel.

2.5 'n Spreitabel is 'n vorm op 'n rekenaarskerm wat uit rye en kolomme syfers bestaan en wat met behulp van formules berekenings kan doen.

2.6 Twitter is 'n gratis sosiale netwerk en mikroblogdiens waar gebruikers met mekaar kan kommunikeer.

(6 × 2) **[12]**

VRAAG 3

3.1 2 Vouers (2)

3.2 8th Pan African TVET conference. (2)

3.3 3.3.1 .pdf
3.3.2 .ppt of .pptx
3.3.3 .xls of .xlsx
3.3.4 .doc of .docx

(4 × 2) (8)

3.4 2017-08-17 (2)

[14]

VRAAG 4

4.1
- Moenie sagteware van bulletinbordstelsels aflaai nie.
- Moenie verwyderbare skywe op rekenaars en in netwerke uitruil nie.
- Installeer 'n antivirusprogram op die hardeskryf wat virusse opspoor en uitwis.
- Skandeer alle diskette en afgelaaide lêers met antivirussagteware.
- Moenie ongeregistreerde e-posse oopmaak nie.
- Skandeer jou hardeskyf een keer 'n week vir virusse. (10)

4.2
- 'n Trojaanse perd
- 'n Lêervirus
- 'n Wurmvirus
- 'n Selflaaisektorvirus
- 'n Bourbonvirus (5)

4.3
- Sleutelbord
- Muis
- Beheerstok
- Skandeerder
- Kamera
- Stilus
- Mikrofoon (5)

4.4
- Konsekwentheid: Windows gebruik in enige program dieselfde sleuteldrukke vir die uitdruk van 'n dokument.
- Vinnige leer: As mens eers een toepassing ken, raak jy ander toepassings maklik baas.
- Verrig verskeie take: Verskeie toepassings kan terselfdertyd gelaai word.
- Uitruil van data: Inligting kan tussen toepassings gemanipuleer word.
- Pasmaking: Die Windows-omgewing kan volgens jou eie voorkeure opgestel word. (4 × 2) (8)

[28]

VRAAG 5

5 1 Gaan na die einde van die dokument.
5 2 Een skermvenster op.
5.3 Herstel
5.4 Verlig die hele dokument.
5.5 Gaan na die begin van die dokument.
5.6 Slaan een woord na regs oor.

(6 × 2) **[12]**

TOTAAL AFDELING A: 120

AFDELING B: WOORDVERWERKING

VRAAG 6

Vraagnommer: en

Opskrif: Vet gedruk, hoofletters

Font Arial ✔

Reëlspasiëring 2,0 ✔ ✔

Korrekte kantruimtes ✔

Drie kolomme met strepe ✔ ✔ ✔

Paragraaf vet gedruk en kursief ✔ ✔

Korrekte tabel ingevoeg ✔ ✔ ✔ ✔
Simblool ✔ ✔
Inligting korrek ✔ ✔ ✔ ✔

"Drop cap" T ✔ ✔

Nommering onder in die

Gedruk op een bladsy

TOTALE PUNT: 30

FOCUS ON SO

"In soil science, increased carbons and organics are the best way to make the soil sustainable. Every time you dics the land, you lose carbon, organics and minerals so we want as little intervention as possible" James says.

The different pasture species offer different attributes such as nitrogen fixing and deep tap roots. The end result is higher levels of nitrogen, reduced soil compaction, improved soil structure and greater soil biodiversity.

"Ten years ago, root penetration in pastures was only 200 mm below the surface. Now, roots penetrate to a depth of 1.5 m, and the dark carbon profile is now about 1m deep. When the roots die off, this creates channels which are used to supply air to microorganisms and allow water and nutrients to penetrate further down the soil profile" says James

Carbon levels in the soil have improved significantly from under 2% in 2007 to 4.65% in 2017. "This is creating a good micro-environment so we can reduce applications of weedicides and pesticides. We've also cut nitrogen use to 340 to 400kg/year. Nitrogen application is a bit of a balancing act: if we pull too much we reduce the grazing mass and root structure. So we try to find the ultimate sweet spot.

The higher carbon level has a important effect on soil water-holding capacity. "The water-holding capacity in the top 30cm of soil has jumped from 320 000 ℓ/ha (1.15 carbon) to 1562 500 ℓ/ha (4.65% carbon), according to our soil consultant, Francis Yeatman. This allows us to optimize irrigation and save the electricity costs associated with pumping.

Table 1 Effect of increased soil carbon content on soil water-holding capacity, measured to a depth of 30cm. (source: Francis Yeatman)

Year	% Carbon	Retained Water
1998	1.16%	320 000 ℓ/ha
2007	2.23%	640 000 ℓ/ha
2012	3.50%	1 000 000 ℓ/ha
2016	4.65%	1 562 500 ℓ/ha

The benefit of reduced water usage is keenly appreciated in times of drought. With 50% water restrictions in Mooi River catchment area, the drought has compelled the Keans to make some painful changes over the past 18 months.

VRAAG 7

Eksamen- en vraagno in kopskrif: ✔ ✔

EXAMINATION NO:
QUESTION 2A

	A	B	C	D	E	F
1	INCOME STATEMENT 2017: LINDIWE FARM					
2						
3		Quarter 1	Quarter 2	Quarter 3	Quarter 4	TOTAL
4	Net sales	12000	19000	16000	22000	
5	Costs and Expenses					
6	Salary	2000	2000	2000	2500	
7	Interest	1200	1400	1600	1600	
8	Rent	600	600	600	600	
9	Adverting	900	2000	4000	4500	
10	Sales costs	4000	4200	5000	8000	
11	Operating Expenses					
12	Operating Income					

Akkuraatheid ✔ ✔ ✔ ✔ ✔ ✔

Kolom verander ✔ ✔

Druk met ry- en kolomopskrif ✔ ✔

TOTALE PUNT: 12

Vraagno: verander ✔ ✔

Saamgevoeg, font verander ✔ ✔ ✔ ✔

EXAMINATION NO:
QUESTION 2B

INCOME STATEMENT 2017: LINDIWE FARM

	Quarter 1	Quarter 2	Quarter 3	Quarter 4	TOTAL
Net sales	R 12 000,00	R 19 000,00	R 16 000,00	R 22 000,00	R 69 000,00
Costs and Expenses					
Salary	R 2 000,00	R 2 000,00	R 2 000,00	R 2 500,00	R 8 500,00
Interest	R 1 200,00	R 1 400,00	R 1 600,00	R 1 600,00	R 5 800,00
Rent	R 600,00	R 600,00	R 600,00	R 600,00	R 2 400,00
Adverting	R 900,00	R 2 000,00	R 4 000,00	R 4 500,00	R 11 400,00
Sales costs	R 4 000,00	R 4 200,00	R 5 000,00	R 8 000,00	R 21 200,00
Operating Expenses	R 8 700,00	R 10 200,00	R 13 200,00	R 17 200,00	R 49 300,00
Operating Income	R 3 300,00	R 8 800,00	R 2 800,00	R 4 800,00	R 19 700,00

Net sale: Vet gedruk ✔ ✔ Costs and

Beskaduwing grys 25%

BEREKENINGS ALMAL KORREK
A: ✔ ✔
B: ✔ ✔
C: ✔ ✔

Geldeenheid en 2 desimale ✔ ✔

Dubbelstreep by Operating ✔ ✔

Uitgedruk uit op een bladsy met ry- en kolomopskrif ✔ ✔

TOTALE PUNT: 26

Kopskrif verander ✔ ✔

EXAMINATION
QUESTION 2C

	A	B	C	D	E	F	G
1	**INCOME STATEMENT 2017: LINDIWE FARM**						
2							
3		Quarter 1	Quarter 2	Quarter 3	Quarter 4	TOTAL	
4	***Net sales***	12000	19000	16000	22000	=SUM(B4:E4)	
5	*Costs and Expenses*						
6	*Salary*	2000	2000	2000	2500	=SUM(B6:E6)	
7	*Interest*	1200	1400	1600	1600	=SUM(B7:E7)	
8	*Rent*	600	600	600	600	=SUM(B8:E8)	
9	*Adverting*	900	2000	4000	4500	=SUM(B9:E9)	
10	*Sales costs*	4000	4200	5000	8000	=SUM(B10:E10)	
11	*Operating Expenses*	=SUM(B6:B10)	=SUM(C6:C10)	=SUM(D6:D10)	=SUM(E6:E10)	=SUM(F6:F10)	
12	*Operating Income*	=B4-B11	=C4-C11	=D4-D11	=E4-E11	=F4-F11	

Alle formules korrek ✔ ✔ ✔ ✔ ✔ ✔

Kolom verander ✔ ✔

Uitgedruk op een bladsy ✔ ✔

TOTALE PUNT: 12

TOTAAL AFDELING B: 80
GROOTTOTAAL: 200

Kopiereg voorbehou