higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

NASIENRIGLYN

NASIONALE SERTIFIKAAT

DATABESTUUR: BOERDERY N5

9 November 2022

Hierdie nasienriglyn bestaan uit 10 bladsye.

Kopiereg voorbehou

AFDELING A

VRAAG 1

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

(10 × 2) **[20]**

VRAAG 2

2.1 Onwaar
2.2 Waar
2.3 Waar
2.4 Onwaar
2.5 Waar
2.6 Waar
2.7 Onwaar
2.8 Waar
2.9 Waar
2.10 Onwaar

(10 × 2) **[20]**

VRAAG 3

3.1 G
3.2 D
3.3 H
3.4 A
3.5 C
3.6 B
3.7 F
3.8 J
3.9 E
3.10 I

(10 × 1) **[10]**

VRAAG 4

4.1
- Downloading an infected file from the internet
- Booting the computer from an infected hard disk
- Inserting an infected disk into the disk drive and opening the files on it
- Browsing infected webpages
- Opening an infected e-mail message or attachment
- Simply using internet (Enige 5 × 2) (10)

4.2
- Klik die Advanced-knoppie in die Properties-dialoogkassie.
- Kies om die inhoud te kompakteer of te enkripteer. Klik OK.
- ’n Boodskap verskyn wat jou waarsku oor veranderinge in die sublêer. Klik OK.
- Die gekompakteerde lêer of gids vertoon blou teks in die lys.
- Regsklik die gekompakteerde lêer of gids en tik die nuwe naam in. (5)

4.3
- Maak jou profiel privaat.
- Beperk die hoeveelheid persoonlike inligting.
- Moenie enige persoonlike inligting in kletskamers of publieke forums uitgee nie.
- Wees versigtig vir vreemdelinge.
- Moenie enige bankbesonderhede beskikbaar maak nie. (Enige 5 × 2) (10)

4.4
- Dit dien as ’n kommunikasieskakel tussen die gebruiker en hardeware.
- Dit laat ander sagtewareprogramme loop en beheer interaksie tussen ’n program en die gebruiker.
- Dit koördineer die werking van die hele rekenaarstelsel.
- Dit handhaaf ’n vloei van gebeure.
- Dit bestuur sommige randtoestelle.
- Dit bied maniere vir die gebruiker om diskette en lêers te bestuur.

(Enige 5 × 1) (5)

[30]

VRAAG 5

5.1 Die aktiewe dokument waarop jy werk, word tydelik op die ETG (‘RAM’) gestoor. Wanneer die lêer gestoor is, word dit deur die lees/skryf-kop op die disket of plaat geskryf.✓✓ Wanneer die lêer wat op die disket gestoor is, oopgemaak word, lees die lees/skryf-kop die lêer en dit word op die ETG gelaai, waar redigering gedoen kan word.✓✓ (4)

5.2
- Stamlêer – hou rekord van alle lêers op die disket
- Lêertoewysingstabel – waar rekord gehou word van die posisie waar lêers gestoor is
- Selflaairekord – deur Windows gebruik om die stelsel te herlaai (3 × 2) (6)

5.3
- Maak die geïnstalleerde antivirusprogram oop.
- Klik op Start.
- Klik op Programs.
- Klik op die antivirusprogram.
- Herlaai jou rekenaar as jy gevra word om dit te doen.
- Laat ’n stelselskandering loop.
- Geïnfekteerde lêers kan nou behandel of uitgewis word. (Enige 5 × 2) (10)

[20]

TOTAAL AFDELING A: 100

WOORDVERWERKING

AFDELING B: VRAAG 6

FOOD FARMING TECHNOLOGY

Computerised farming technology

Computerised farming technology includes moisture sensors, smart irrigation systems, terrain contour mapping and self-driven and GPS – enabled tractors, all of which contribute to improve farming sustainability.

IoT solutions enable farmers to control water troughs and feeders and even management the irrigation system for the pastures. Machines are available that signal when stalls need to be cleaned.

Various types of wearables for cows allow dairy farmers to continuously monitor the health, location and behaviour of all their cows at the same time. The wearables collect information about the animals' temperature, activity, behaviour (feeding, sleeping, lameness, gait) and milk production levels and help farmers keep track of which cows have already been milked. Dairy farmers use the information from the trackers to determine when cows are in heat and ready for insemination and to detect any deviation from the norm. This makes the timely treatment of illness or abnormalities possible, which in turn impossible cow health and comfort.

All types of sensors are available to farmers. Drones can be fitted with multispectral sensors that indicate how crops should be watered. The same sensor mounted on a tractor that's fertilizing soil can regulate the application of nitrogen so that the right amount is applied to maintain soil health. In-field moisture sensors in the ground can help farmers create customized irrigation systems for crops and pastures based on soil moisture and temperature. This type of technology can help farmers become more sustainable by managing the level and frequency of irrigation.

Equipment for happy cows

Cows love cow brushes, which stimulate blood circulation by their rotations and movements. According to some farmers, their cows line up for their turn to use this technology.
Rotary milking parlours make sanitization of udders efficient and accessible and misting or evaporative systems keep cows cool and prevent heat stress.

MILKSHUTTLE

- Physical ease of work: relieves your back
- 3 big wheels for any terrain
- Strong electric drive
- Exact and simple dosing out of the milk
- Four practical sizes

6.1 Eksamen- en vraagnommer as kopskrif✓✓
6.2 Hoofopskrif, Cooper 16pt, regsbelyn✓✓✓
6.3 *Word art* op subtitel✓✓✓
6.4 Trippelrand, dubbellynspasiëring, volledige justering✓✓✓
6.5 Twee kolomme na een verander,✓✓ koeëlpunte ingevoeg✓
6.6 Sigsag-bladsyrand✓✓
6.7 Bladsynommer vanaf 8✓✓

URBAN ALMA PRO

- Latest technology with a user friend touchscreen
- Future proof
- Calf health reports round the clock
- Only model with a closed loop system
- Milk temperature is controlled by 3 sensors

VRAAG 7

SIGBLAD

	A	B	C	D	E	F	G	H
1	FARMER STALL DECEMBER HOLIDAY							
2	2 STREET AVENUE							
3	MAKHADO							
4								
5	BOOKING FORM FOR THE MONTH OF DECEMBER 2019							
6								
7								
8								
9	NAME	NUMBER OF	DATE	DATE	NUMBER	PRICE	AMOUNT	% OF
10		PERSONS	IN	OUT	OF DAYS	PER DAY	DUE	TOTAL
11						PER PERSON		
12								
13	ALUWANI	6	17/12/2019	23/12/2019				
14	MASINDI	5	16/12/2019	21/12/2019				
15	ELISA	3	14/12/2019	17/12/2019				
16	PETER	6	13/12/2019	19/12/2019				
17	SIMANGO	5	12/12/2019	17/12/2019				
18	JEDINAH	3	10/12/2019	13/12/2019				
19	ZWOITWAHO	4	15/12/2019	19/12/2019				
22	MULAUDZI	4	11/12/2019	15/12/2019				
21	TOTAL							
22	HIGHEST							
23	LOWEST							
24	AVERAGE							

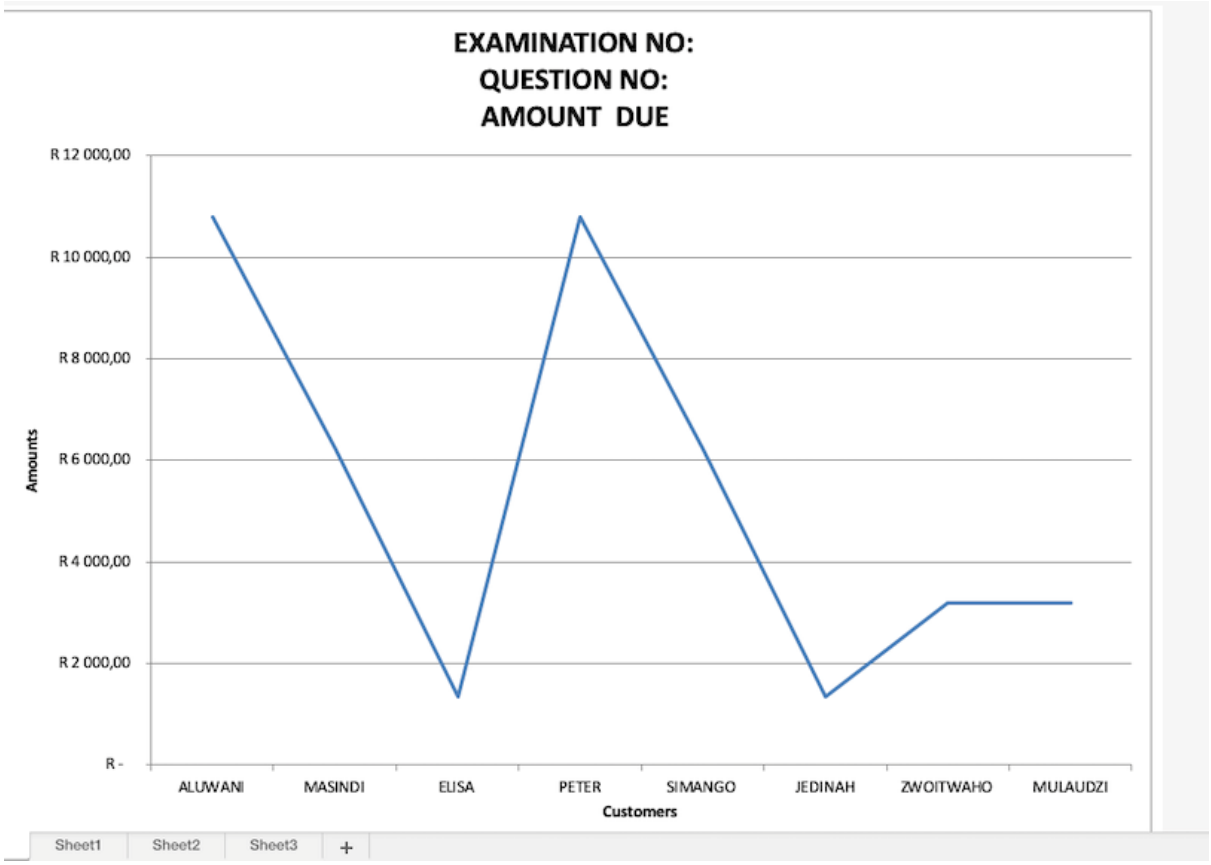
7.1 Spreadsheet and accuracy = ✓✓✓✓✓
7.2 Exam No and Question on header ✓✓
7.3 Column adjusted ✓
7.5 Print with column headings and gridlines ✓✓
TOTAL: 10 marks

VRAAG 8

	A	B	C	D	E	F	G	H
	FARMER STALL DECEMBER HOLIDAY							
1	**2 STREET AVENUE**							
2	**MAKHADO**							
3								
4	**BOOKING FORM FOR THE MONTH OF DECEMBER 2019**							
5								
6								
7								
8	***NAME***	***NUMBER OF***	***DATE***	***DATE***	***NUMBER***	***PRICE***	***AMOUNT***	***% OF***
9		***PERSONS***	***IN***	***OUT***	***OF DAYS***	***PER DAY***	***DUE***	***TOTAL***
10						***PER PERSON***		
11								
12	ALUWANI	6	17/12/2019	23/12/2019	6	R 300,00	R 10 800,00	25%
13	MASINDI	5	16/12/2019	21/12/2019	5	R 250,00	R 6 250,00	14%
14	ELISA	3	14/12/2019	17/12/2019	3	R 150,00	R 1 350,00	3%
15	PETER	6	13/12/2019	19/12/2019	6	R 300,00	R 10 800,00	25%
16	SIMANGO	5	12/12/2019	17/12/2019	5	R 250,00	R 6 250,00	14%
17	JEDINAH	3	10/12/2019	13/12/2019	3	R 150,00	R 1 350,00	3%
18	ZWOITWAHO	4	15/12/2019	19/12/2019	4	R 200,00	R 3 200,00	7%
19	MULAUDZI	4	11/12/2019	15/12/2019	4	R 200,00	R 3 200,00	7%
22	TOTAL						R 43 200,00	
21	HIGHEST					R 300,00		
22	LOWEST				**3**			
23	AVERAGE	**5**						

8.1 Question no: changed ✓✓
8.2 A1 to H1 merged center, Wide Latin 14pt✓✓✓✓
8.3 Row 1,3,4 Bold applied, ✓✓
8.4 A= All correct ✓✓
B= All correct ✓✓
C= All correct ✓✓
D= All correct ✓✓
E= All correct✓✓
F= All correct✓✓
G= All correct✓✓
8.5 R sign, 2 decimals ✓✓
8.6 Lines inserted correctly ✓✓
8.7 Print in landscape ✓✓
TOTAL MARKS: 30 Marks

VRAAG 9



9.1 Question No changed ✓✓
9.2 Formula displayed ✓✓✓✓✓✓
9.3 Print on one page ✓✓
TOTAL: 10 marks

VRAAG 10

10.4

✓✓

C:\Users\ \Documents\FRUIT FARM EXAMINATION NUMBER.accdb 05 August 2019
Table: Makhanani Page: 1

✓✓ ✓✓

Columns ✓✓

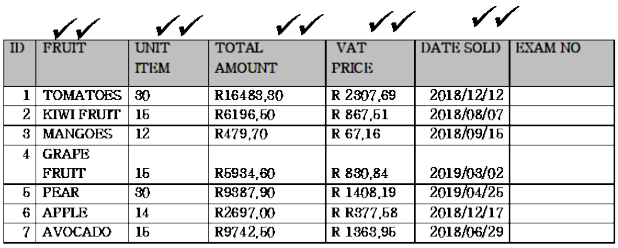
Name	Type	Size
NO	Long Integer	4
FRUIT	Short Text	20
UNIT SOLD	Long Integer	4
TOTAL AMOUNT	Currency	8
VAT AMOUNT	Currency	8
DATE SOLD	Date With Time	8
EXAM NO	Short Text	13

✓✓

(10)

10.5

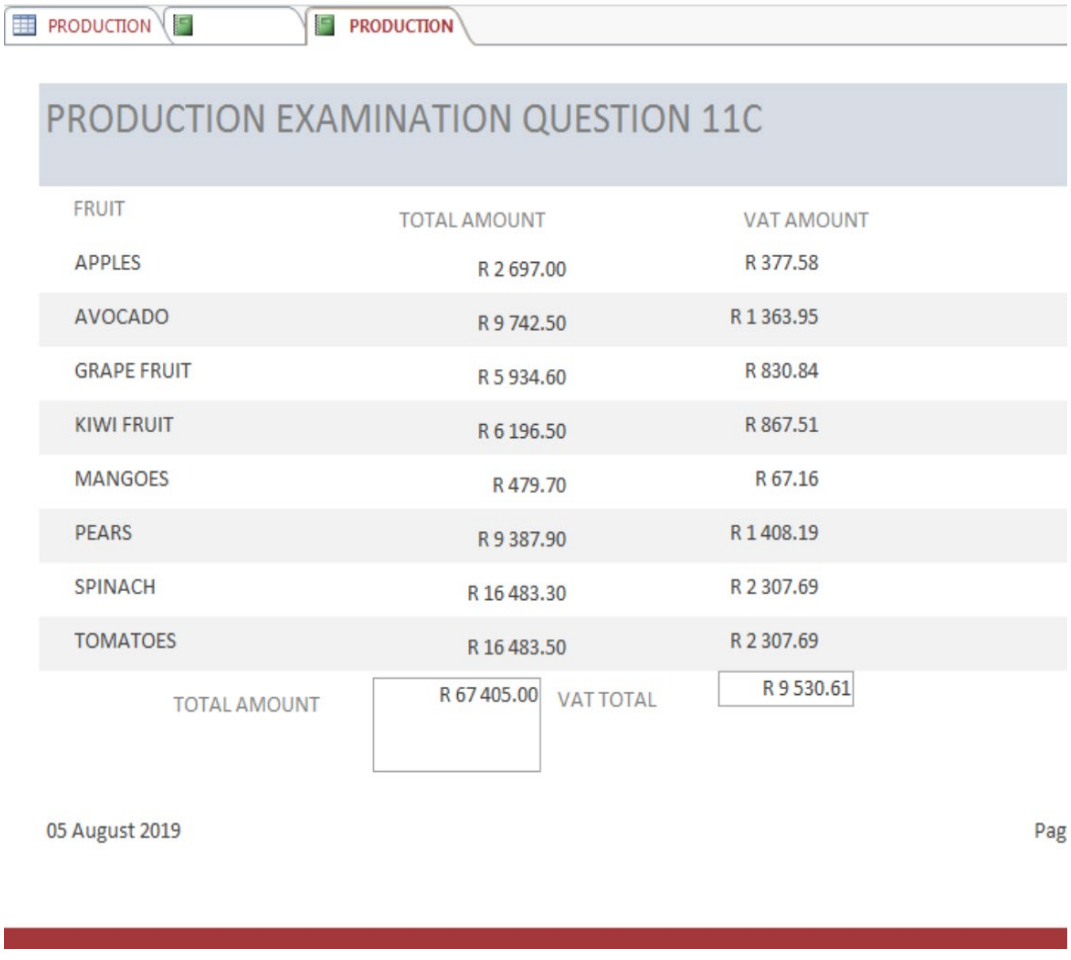
ID	FRUIT	UNIT ITEM	TOTAL AMOUNT	VAT PRICE	DATE SOLD	EXAM NO
1	TOMATOES	30	R16483,30	R 2307,69	2018/12/12	
2	KIWI FRUIT	15	R6196,50	R 867,51	2018/08/07	
3	MANGOES	12	R479,70	R 67,16	2018/09/15	
4	GRAPE FRUIT	15	R5934,60	R 830,84	2019/03/02	
5	PEAR	30	R9387,90	R 1408,19	2019/04/25	
6	APPLE	14	R2697,00	R R377,58	2018/12/17	
7	AVOCADO	15	R9742,50	R 1363,95	2018/06/29	

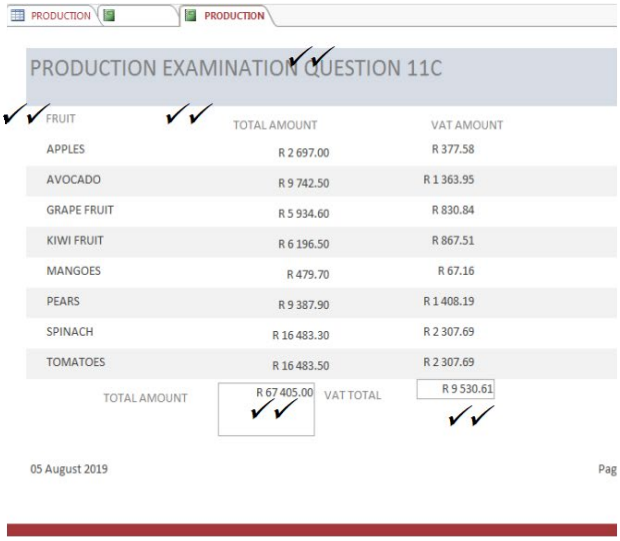


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3	MANGOES	12	R479,70	R 67,16	2018/09/15	
4	GRAPE FRUIT	15	R5934,60	R 830,84	2019/03/02	
5	PEAR	30	R9387,90	R 1408,19	2019/04/25	
6	APPLE	14	R2697,00	R R377,58	2018/12/17	
7	AVOCADO	15	R9742,50	R 1363,95	2018/06/29	

(10)

10.11





PRODUCTION | PRODUCTION

PRODUCTION EXAMINATION QUESTION 11C

FRUIT	TOTAL AMOUNT	VAT AMOUNT
APPLES	R 2 697.00	R 377.58
AVOCADO	R 9 742.50	R 1 363.95
GRAPE FRUIT	R 5 934.60	R 830.84
KIWI FRUIT	R 6 196.50	R 867.51
MANGOES	R 479.70	R 67.16
PEARS	R 9 387.90	R 1 408.19
SPINACH	R 16 483.30	R 2 307.69
TOMATOES	R 16 483.50	R 2 307.69
TOTAL AMOUNT	R 67 405.00	VAT TOTAL R 9 530.61

05 August 2019 Pag

TOTAAL AFDELING B: 100
GROOTTOTAAL: 200

Kopiereg voorbehou