

SG 2004 November

Vraag 1 Gegewe lêer EKSAMEN

REKENAARSTUDIE GRAAD 11 HG
EKSAMENINSTRUKSIES

Prosedures, Funksies, Units, Skikkings, Lêerhantering

TEORIE VRAESTEL

ONDERWERP	PUNTETELLING
1. Datavoorstelling	10
2. Argitek tuur	15
3. Stelselprogrammatuur	20
4. Datakommunikasies	25
5. Sosio-ekonomiese implikasies	10
6. Turbo Pascal Algoritmes en Implementering	50

-----Page Break-----

Prosedures
Funksies
Units
Skikkings
Lêerhantering

PRAKTIESE VRAESTEL
Ontleding van Graad 11 Rekenaarstudie punte

Question 1 Original File EXAM

COMPUTER STUDIES GRADE 11 HG
EXAMINATION INSTRUCTIONS

Procedures, Functions, Units, Arrays, File handling

THEORY PAPER

TOPIC	MARKS
1. Data representation	10
2. Architecture	15
3. Systems Software	20
4. Data Communications	25
5. Sosio-economic implications	10
6. Turbo Pascal Algorithms and Implementation	50

-----Page Break-----

Procedures
Functions
Units
Arrays
File Handling

PRACTICAL PAPER
Analysis of Grade 11 Computer Studies marks

Memo Vraag 1

(moet page border hê)

eksamennommer

REKENAARSTUDIE GRAAD 11 HG

EKSAMENINSTRUKSIES

'n Praktiese vraestel van 2½ ure en 'n Teorie vraestel van 2 ure sal geskryf word.

PRAKTIESE VRAESTEL

Prosedures, Funksies, Units, Skikkings, Lêerhantering

TEORIE VRAESTEL

	ONDERWERP	PUNTETELLING
1.	Datavoorstelling	10
2.	Argitektuur	15
3.	Stelselprogrammatuur	20
4.	Datakommunikasie	25
5.	Sosio-ekonomiese implikasies	10
6.	Turbo Pascal Algoritmes en Implementering	50
	<ul style="list-style-type: none">• Prosedures• Funksies• Units• Skikkings• Lêerhantering	

Ontleding van Graad 11 Rekenaarstudie punte

<i>Teorie</i>	130
<i>Prakties</i>	70
<i>CASS</i>	100
<i>Finale Gr 11 punt</i>	<u>300</u>

vandag se datum

VRAAG 1/QUESTION 1 (Woordverwerkingslêer XSAMENXX / WP file EXAMXX)

Heading Bold, ✓	centre, ✓	insert line✓		3
EXAMINATION INSTRUCTIONS EKSAMEN INSTRUKSIES			underline✓	1
Insert: A Practical...(the whole sentence)✓		2½✓		2
Move : [PRACTICAL PAPER] [PRAKTIESE VRAESTEL]✓				1
TOPIC left align✓		1.5 cm✓(not more than 0.05 cm out)		4
MARKS right align✓		13cm✓		
Architecture: Argitektuur one word✓	Datacommunications Datakommunikasies : remove s✓			2
Bullets✓(must be under the text – Turbo)		Indentation ✓		2
Analysis. Of Grade 11/ Ontleding van graad 11			Font size - 14✓	1
Table Insert ✓ Arial 14pt✓	Italic ✓	Marks / Punte right align✓	300 underline✓	5
Header : examination number / eksamennommer✓				4
Footer: current date✓✓		right align✓		
margins : R + L 3 cm✓✓		T + B 2 cm✓✓		4
Line spacing 1.5✓✓ (the whole document)				2
Page border✓✓				2
Remove page break✓ (totally)				1
TOTAL				34

Memo Question 1

(must have a page border)
examination number

COMPUTER STUDIES GRADE 11 HG

EXAMINATION INSTRUCTIONS

A Practical paper of 2½ hours and a Theory paper of 2 hours will be written.

PRACTICAL PAPER

Procedures, Functions, Units, Arrays, File handling

THEORY PAPER

	TOPICS	MARKS
1.	Data representation	10
2.	Architecture	15
3.	Systems Software	20
4.	Data Communication	25
5.	Socio-economic implications	10
6.	Turbo Pascal Algorithms and Implementation	50
	• Procedures	
	• Functions	
	• Units	
	• Arrays	
	• File Handling	

Analysis of Grade 11 Computer Studies marks

<i>Theory</i>	130
<i>Practical</i>	70
<i>CASS</i>	100
<i>Final Gr 11 mark</i>	<u>300</u>

Vraag 2 Gegewe lêer STAL.TXT

- 1 Hot dogs
- 2 Groenmielies
- 3 Lekkers
- 4 Koeldrank
- 5 Tombola
- 6 Hamburgers
- 7 Boerewors
- 8 Potato sticks
- 9 Springmielies
- 10 Roomys
- 11 Biltong
- 12 Pannekoek
- 13 Skyfskiet
- 14 Vetkoek
- 15 Vrugtesap

Question 2 File given STALL.TXT

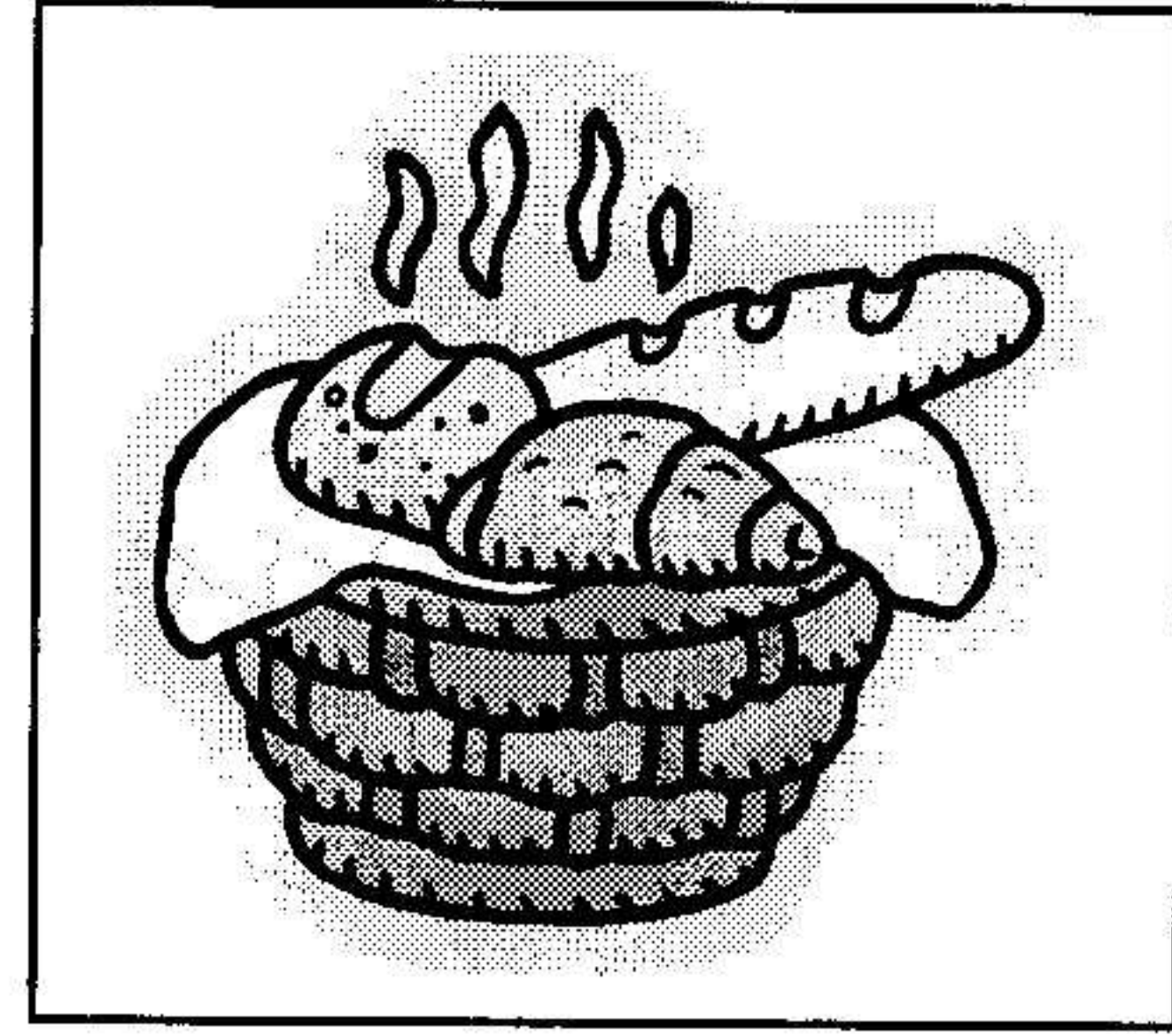
- 1 Hot dogs
- 2 Groenmielies
- 3 Sweets
- 4 Cold drinks
- 5 Tombola
- 6 Hamburgers
- 7 Boerewors
- 8 Potato sticks
- 9 Pop Corn
- 10 Ice cream
- 11 Biltong
- 12 Pannekoek
- 13 Target shooting
- 14 Vetkoek
- 15 Fruit juice

VRAAG 2/QUESTION 2 (Wverwerkingsdokument: **ENTREPXX** / WP file **ENTREPXX**)

Insert picture ✓(any picture)	1
Information: date, stalls, number, venue, time, kontakt number datum, stalletjies, nommers, plek, tyd. kontaknommer ✓✓✓ -1 per error	3
Font size✓, font type✓, Wordart✓, Align✓, Colour ✓	5
A5✓	1
TOTAL	10

VRAAG 2 memo

Entrepreneursdag



20 November 9:00 – 11:00
Hoërskool Piet Malan

Kom ondersteun ons by die volgende stalletjies:

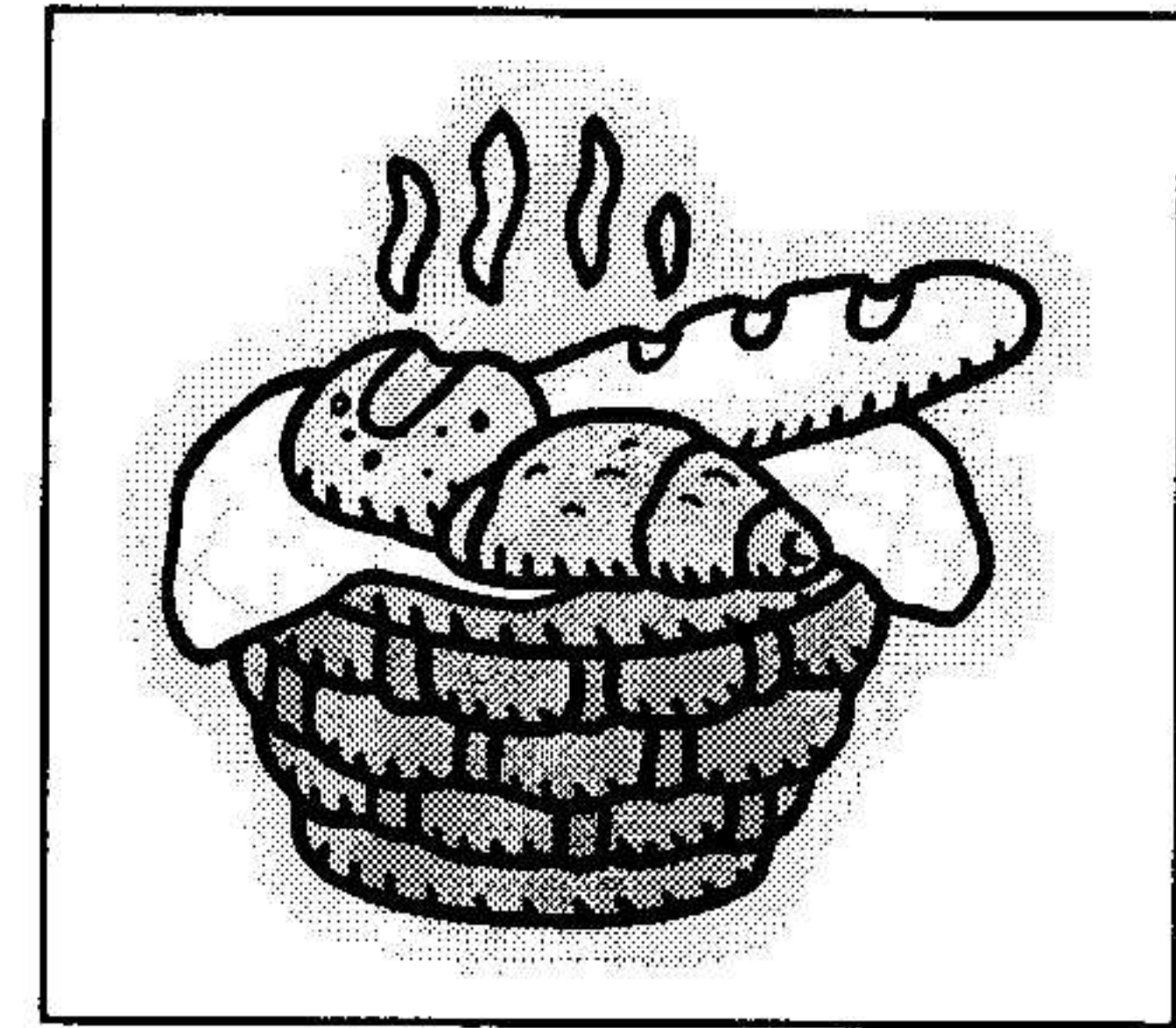
Stalletjienommer Tipe

1	Hot dogs
2	Groenmielies
3	Lekkers
4	Koeldrank
5	Tombola
6	Hamburgers
7	Boerewors
8	Potato sticks
9	Springmielies
10	Roomys
11	Biltong
12	Pannekoek
13	Skyfskiet
14	Vetkoek
15	Vrugtesap

Skakel 011 642 3334 vir verdere navrae

QUESTION 2 memo

Entrepreneur Day



20 November 9:00 – 11:00
High School Piet Malan

Come and support us at the following stalls:

Stall number Type

- | | |
|----|-----------------|
| 1 | Hot dogs |
| 2 | Groenmielies |
| 3 | Sweets |
| 4 | Cold drinks |
| 5 | Tombola |
| 6 | Hamburgers |
| 7 | Boerewors |
| 8 | Potato sticks |
| 9 | Pop Corn |
| 10 | Ice cream |
| 11 | Biltong |
| 12 | Pannekoek |
| 13 | Target shooting |
| 14 | Vetkoek |
| 15 | Fruit juice |

Phone 011 642 3334 for more information

Vraag 3 Gegewe lêer PUNTE

NAAM	CASS	TERMYN 1	TERMYN 2	TERMYN 3	JAARPUNT
Botha G	80	55	53	54	
Coetzee H	70	74	65	68	
Dunn F	60	71	65	54	
Hall I	74	54	55	58	
Jones Y	80	75	64	39	
Naidoo E	71	80	75	65	
Opperman J	68	65	61	58	
Mogale R	91	85	88	82	
Palmer S	62	65	63	61	
Ping J	64	68	58	51	
Strydom J	65	70	75	40	
Taute K	66	71	62	61	
West L	80	85	74	86	
Alberts B	90	95	86	86	
Els J	66	62	56	58	
Lohse V	74	80	77	71	
Gray H	62	58	69	60	
Ruka S	87	85	86	85	

Memo Vraag 3
eksamenommer

BIOLOGIE /BIOLOGY GRAAD 11 /GRADE 11						
NAAM NAME	CASS	TERMYN 1 TERM 1	TERMYN 2 TERM 2	TERMYN 3 TERM 3	JAARPUNT YEAR MARK	SIMBOOL SYMBOL
Alberts B	90	95	86	86	89.3	A
Botha G	80	55	53	54	60.5	C
Coetzee H	70	74	65	68	69.3	C
Dunn F	60	71	65	54	62.5	C
Els J	66	62	56	58	60.5	C
Gray H	62	58	69	60	62.3	C
Hall I	74	54	55	58	60.3	C
Jones Y	80	75	64	39	64.5	C
Lohse V	74	80	77	71	75.5	B
Mogale R	91	85	88	82	86.5	A
Naidoo E	71	80	75	65	72.8	B
Opperman J	68	65	61	58	63.0	C
Palmer S	62	65	63	61	62.8	C
Ping J	64	68	58	51	60.3	C
Ruka S	87	85	86	85	85.8	A
Strydom J	65	70	75	40	62.5	C
Taute K	66	71	62	61	65.0	C
West L	80	85	74	86	81.3	A
GEMIDDELD AVERAGE	72.78	72.11	68.44	63.17	69.13	
HOOGSTE JAARPUNT HIGHEST YEAR MARK					89.3	
TWEEDE HOOGSTE JAARPUNT SECOND HIGHEST YEAR MARK					86.5	
TOTALE AANTAL LEERDERS TOTAL NUMBER OF LEARNERS					18	

datum/date

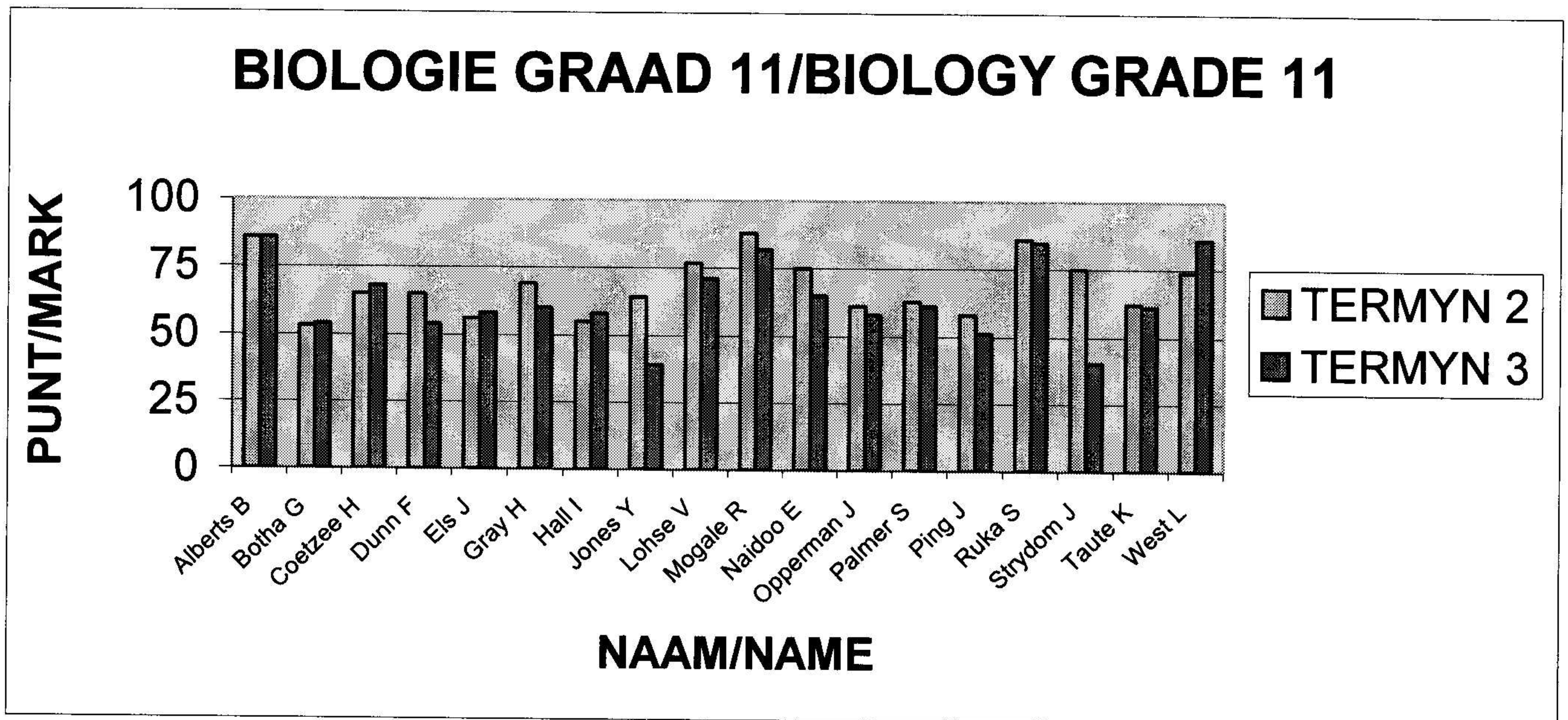
VRAAG 3/QUESTION 3: (Sigbladlêer PUNTEXX) (Spreadsheet file MARKSXX)

Columns legible ✓	headings bold ✓,	double ✓ frame ✓	4
Heading ✓ bigger font size ✓ centre ✓ text wrap ✓			4
Sort alphabetically ✓	All columns sorted ✓		2
Column F :=Average ✓ (B3 :E3) ✓	1dec ✓		3
Average: = Average ✓ (B3:B20) ✓	4 columns ✓		3
Highest: MAX ✓ (F3:F20) ✓	} -1 if not only in column F		2
2 nd highest: LARGE ✓ (F3:F20,2) ✓			2
Number of learners: COUNT ✓ (F3:F20) ✓ (any column, not only F; COUNTA for column A)			2
Column G : =IF ✓ F3>79 ✓, "A" ✓, IF ✓ (F3>69 ✓, "B" ✓, "C" ✓))			7
Footer ✓ : =NOW() or DATE() or [Date] ✓	centre ✓		3
Header : examination number ✓			1
TOTAL:			33

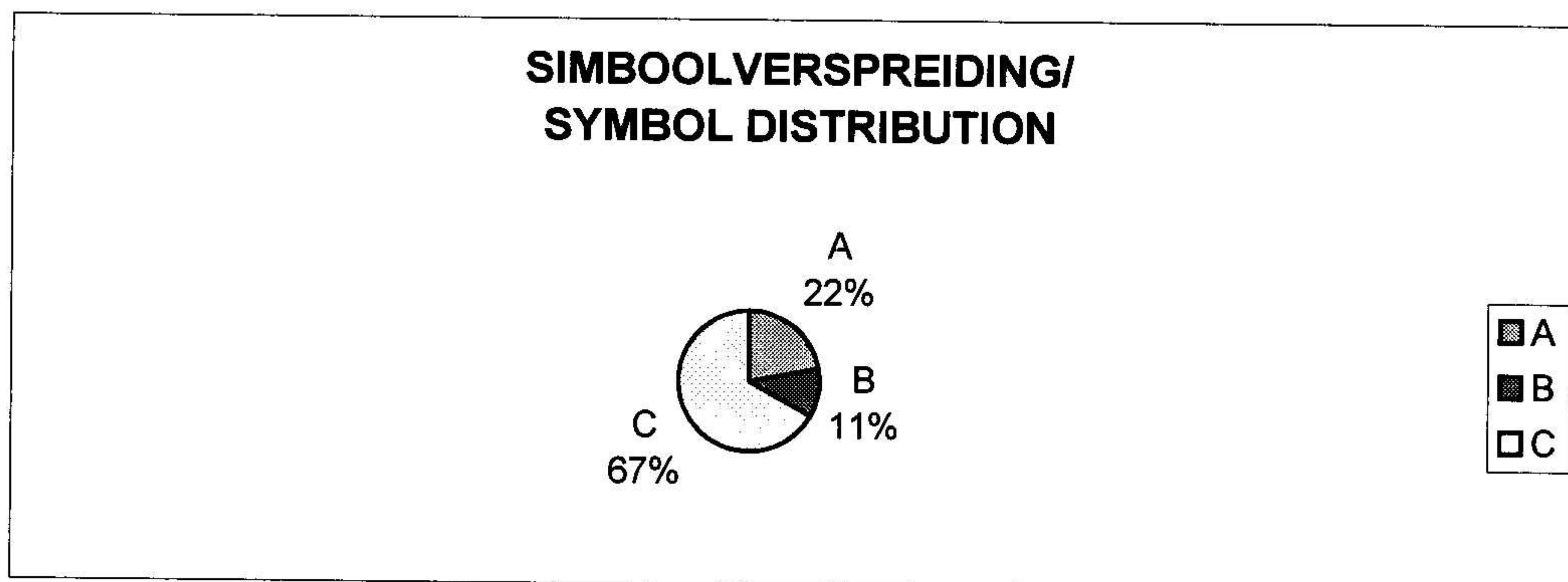
NAAM	CASS	TERMYN 1	TERMYN 2	TERMYN 3	JAARPUNT	SIMBOOL
Alberts B	90	95	86	86	=AVERAGE(B3:E3)	=IF(F3>79,"A",IF(F3>69,"B","C"))
Botha G	80	55	53	54	=AVERAGE(B4:E4)	=IF(F4>79,"A",IF(F4>69,"B","C"))
Coetzee H	70	74	65	68	=AVERAGE(B5:E5)	=IF(F5>79,"A",IF(F5>69,"B","C"))
Dunn F	60	71	65	54	=AVERAGE(B6:E6)	=IF(F6>79,"A",IF(F6>69,"B","C"))
Els J	66	62	56	58	=AVERAGE(B7:E7)	=IF(F7>79,"A",IF(F7>69,"B","C"))
Gray H	62	58	69	60	=AVERAGE(B8:E8)	=IF(F8>79,"A",IF(F8>69,"B","C"))
Hall I	74	54	55	58	=AVERAGE(B9:E9)	=IF(F9>79,"A",IF(F9>69,"B","C"))
Jones Y	80	75	64	39	=AVERAGE(B10:E10)	=IF(F10>79,"A",IF(F10>69,"B","C"))
.....						
	=AVERAGE	=AVERAG	=AVERAG	=AVERAGE		
GEMIDDELD (B3:B20)	E(C3:C20)	E(D3:D20)	(E3:E20)	=AVERAGE(F3:F20)		
HOOGSTE JAARPUNT				=MAX(F3:F20)		
TWEEDE HOOGSTE JAARPUNT				=LARGE(F3:F20,2)		
TOTALE AANTAL LEERDERS				=COUNT(F3:F20)		

examination number

Memo Vraag 4.1/Question 4.1



Memo Vraag 4.3

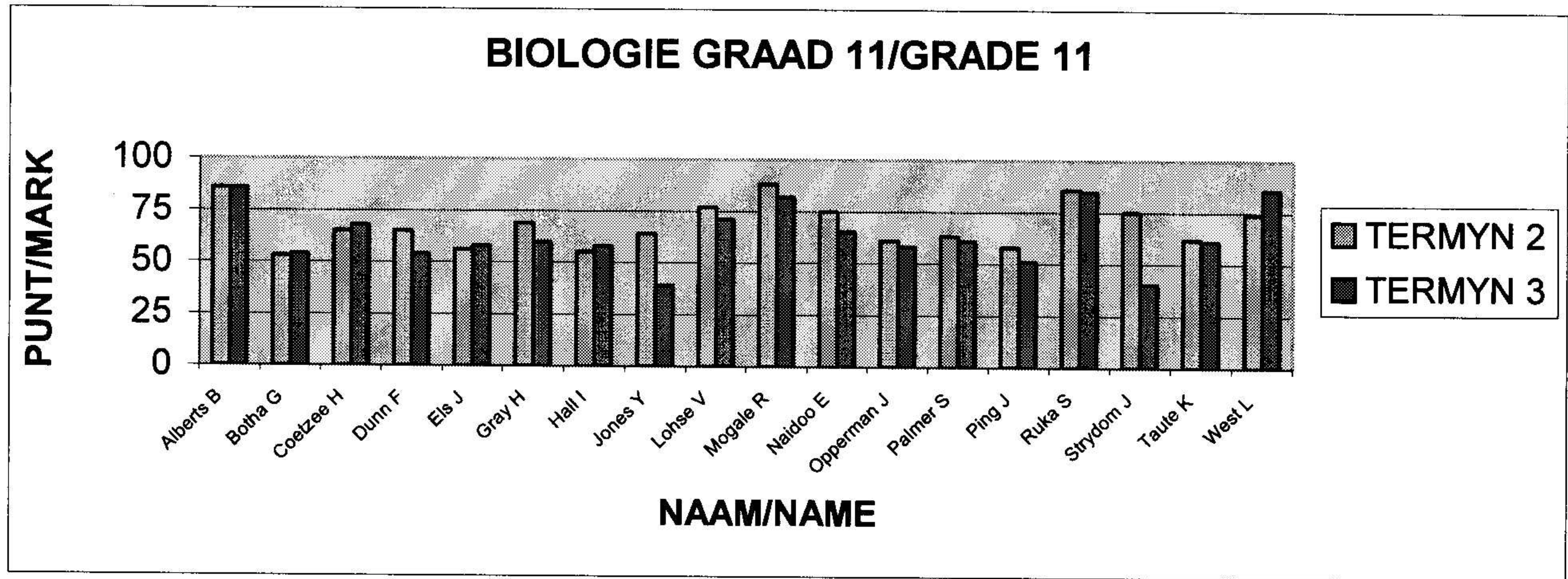


VRAAG 4/QUESTION 4 (Spreadsheet file MARKSXX / Sigbladlêer PUNTEXX)

<u>Balkgrafiek</u> ✓	<u>Termyn 2 + 3</u> ✓	2
Heading: BIOLOGY.. ✓	X as: NAME ✓ Y axis: MARK ✓	5
Scale: 25 ✓	Series ✓	
Pie Chart ✓ correct data ✓		2
Heading: SYMBOL DISTRIBUTION (SIMBOOLVERSPREIDING) ✓ Show: % ✓ symbols (legend or label) ✓		3
TOTAL:		12

Memo Vraag 4.2/Question 4.2

VERSLAG VAN BIOLOGIEPUNTE VIR TERMYNE 2 EN 3 /BIOLOGY MARKS
REPORT FOR TERMS 2 AND 3



VRAAG 4.2/QUESTION 4.2 (Woordverwerkingsdokument: BIOLXX / WP file BIOLXX)

Graph ✓✓	2
Heading: REPORT/VERSLAG..✓ Full A4✓ Landscape ✓	4
Header: Examination number✓	4
TOTAL	6

Memo Vraag 5

GRAAD 11 JAARPUNTE/
GRADE 11 YEAR MARKS

NAAM Name	CASS	TERMYN 1 Term 1	TERMYN 2 Term 2	TERMYN 3 Term 3	NUWE JAARPUNT New Year mark
Alberts B	90	95	86	86	90
Botha G	80	55	53	54	67
Coetzee H	70	74	65	68	70
Dunn F	60	71	65	54	62
Els J	66	62	56	58	62
Gray H	62	58	69	60	62
Hall I	74	54	55	58	65
Jones Y	80	75	64	39	70
Lohse V	74	80	77	71	75
Mogale R	91	85	88	82	88
Naidoo E	71	80	75	65	72
Opperman J	68	65	61	58	65
Palmer S	62	65	63	61	63
Ping J	64	68	58	51	62
Ruka S	87	85	86	85	86
Strydom J	65	70	75	40	63
Taute K	66	71	62	61	65
West L	80	85	74	86	81

Formule vir kolom F/FORMULA FOR COLUMN F: $= (B3 + \text{average}(c3:e3)) / 2$

QUESTION 5 (Spreadsheet file **MARKSXX**, sheet **NEW/**
Sigbladlêer **PUNTEXX**, sheet **NUWE**)

Create (-1 per error : separate spreadsheet, wrong/extra columns) ✓	2
Label new sheet as NEW (NUWE)	
Heading: GRADE 11..✓	1
COLUMN F: $= (B3 + \text{average}(c3:e3)) / 2$; ✓; -1 if not rounded off	3
TOTAL:	6

Vraag 6 Gegewe lêer

VAN SURNAME	NAAM NAME	GESLAG SEX	LAERSKOO PRIMARY SCHOOL	REGISTRASIEGELD REGISTRATION FEE
MOOLMAN	JOHAN	M	LINBURG	400
JACOBZ	HENRY	M	AMASIA	400
HOLMES	JANE	V	LINBURG	200
WILLS	SHANE	M	LOWPARK	300
JONES	MARY	V	AMASIA	400
BELL	GRAHAM	M	LINBURG	300
CALITZ	LEIGH	V	AMASIA	400
OPPERMAN	STEFAN	M	LOWPARK	0
VAN DER WESTHUIZEN	JOHAN	M	LINBURG	300
JONES	ANNE	V	AMASIA	400

MEMO VRAAG 6

NUM	SURNAME	NAME	SEX	PRIMARY SCHOOL	REGISTRATION FEE	DATE OF BIRTH
NOM	VAN	NAAM	GESLAG	LAERSKOO	REGISTRASIEGELD	GEBOORTEDATUM
6	BELL	GRAHAM	M	LINBURG	R 300.00	91/12/30
7	CALITZ	LEIGH	V	AMASIA	R 400.00	90/07/14
3	HOLMES	JANE	V	LINBURG	R 200.00	90/11/11
2	JACOBZ	HENRY	M	AMASIA	R 400.00	89/01/29
9	JANSEN	SUSAN	V	LINBURG	R 200.00	90/11/23
12	JONES	ANNE	V	LINBURG	R 400.00	90/09/09
5	JONES	MARY	V	AMASIA	R 400.00	90/10/01
1	MOOLMAN	JOHAN	M	LINBURG	R 400.00	90/10/28
8	SMITH	ANDREW	M	LOWPARK	R 400.00	90/04/30
11	VAN DER WESTHUIZEN	JOHAN	M	AMASIA	R 300.00	90/11/21
4	WILLS	SHANE	M	LOWPARK	R 300.00	90/03/12

enige geboortedatum/any date of birth

VRAAG 6.10 QUERY

SKOOLXX : Select Query

*
 NOM
 VAN
 NAAM
 GESLAG

Field:	VAN	NAAM	GESLAG	LAERSKOOL
Table:	leerdersxx	leerdersxx	leerdersxx	leerdersxx
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			"V"	"LINBURG"
or:			"V"	"AMASIA"

SCHOOOL : Select Query

*
 NUM
 SURNAME
 NAME
 SEX

Field:	SURNAME	NAME	SEX	PRIMARY SCHOOL
Table:	LEARNERSXX	LEARNERSXX	LEARNERSXX	LEARNERSXX
Sort:				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			"F"	"LINBURG" Or "AMASIA"
or:				

VAN/SURNAME	NAAM/NAME
HOLMES	JANE
JONES	MARY
CALITZ	LEIGH
JANSEN	SUSAN
JONES	ANNE

VRAAG 6.11

Report Header									
GRADE 8 LEARNERS									
Page Header									
SEX		SURNAME		NAME		PRIMARY	SCHOOL		
SEX Header									
SEX									
Detail									
		SURNAME		NAME		PRIMARY	SCHOOL		
SEX Footer									
TOTAL:				-Count	[SURNAME]				
.....									
Page Footer									
EXAMINATION NUMBER						= "Page "	[Page]	& " of "	[Pages]
Report Footer									

GRAAD 8 LEERDERS			
GRAAD 8 LEERDERS			
GESLAG	VAN	NAAM	LAERSKOOL
M			
	BELL	GRAHAM	LINBURG
	JACOBZ	HENRY	AMASIA
	MOOLMAN	JOHAN	LINBURG
	SMITH	ANDREW	LOWPARK
	VAN DER WESTHUIZEN	JOHAN	AMASIA
	WILLS	SHANE	LOWPARK
Aantal:			6
Page:	1		

GRAAD 8 LEERDERS			
GESLAG	VAN	NAAM	LAERSKOOL
V			
	CALITZ	LEIGH	AMASIA
	HOLMES	JANE	LINBURG
	JANSEN	SUSAN	LINBURG
	JONES	ANNE	LINBURG
	JONES	MARY	AMASIA
Aantal:			5
Page:	2		

GRADE 8 LEARNERS

SEX	SURNAME	NAME	PRIMARY SCHOOL
F	JANSEN	SUSAN	LINBURG
	JONES	ANNE	LINBURG
	CALITZ	LEIGH	AMASIA
	JONES	MARY	AMASIA
	HOLMES	JANE	LINBURG
TOTAL:		5	

SEX	SURNAME	NAME	PRIMARY SCHOOL
M	SMITH	ANDREW	LOWPARK
	VAN DER WESTHUIZEN	JOHAN	AMASIA
	BELL	GRAHAM	LINBURG
	WILLS	SHANE	LOWPARK
	JACOBZ	HENRY	AMASIA
	MOOLMAN	JOHAN	LINBURG
TOTAL:		6	

VRAAG 6.12 QUERY

VAN/SURNAME	NAAM/NAME	BEDRAG VERSKULDIG/ AMOUNT OWED
MOOLMAN	JOHAN	R 0.00
JACOBZ	HENRY	R 0.00
HOLMES	JANE	R 200.00
WILLS	SHANE	R 100.00
JONES	MARY	R 0.00
BELL	GRAHAM	R 100.00
CALITZ	LEIGH	R 0.00
SMITH	ANDREW	R 0.00
JANSEN	SUSAN	R 200.00
VAN DER WESTHUIZEN	JOHAN	R 100.00
JONES	ANNE	R 0.00

QUESTION 6/VRAAG 6 (Database file GRADE8/Databasislêr GRAAD8)

TABEL LEERDERS..		
Rename Table: LEARNERSXX✓/LEERDERSXX	1	
Add: SMITH,JANSEN✓✓	2	
Primary key✓✓	2	
REGISTRATION: Currency✓✓	2	
DATE OF BIRTH: Type DATE✓Type data✓	2	
Delete OPPERMAN✓ If more fields deleted no marks	1	
SEX: Validation test M OR F✓✓ (M or V) Text message ✓✓	4	
QUERY SCHOOL..		
Sort alphabetically✓✓	2	
SEX = F ✓AND✓ SCHOOL = LINBURG✓ OR✓ SEX = F AND SCHOOL = AMASIA✓	5	
OR LINBURG OR AMASIA AND SEX = F		
Columns: SURNAME, NAME✓✓-1 for extra fields	2	
QUERY REGIS..		
Column heading: AMOUNT OWING✓	1	
AMOUNT OWING: ✓ 400-✓ [REGISTRATION] ✓	3	
Display: SURNAME , NAME	1	
Report GROUPS..		
Heading: GRADE 8 LEARNERS✓,centre✓	2	
Columns: SURNAME, NAME, SEX, PRIMARY SCHOOL✓✓ - -1 for extra fields. (order of fields not important)	2	
Group by sex✓✓ Separate pages✓✓	4	
Formula =COUNTA([VAN])✓ , Count by group (separate) ✓ Caption ✓	3	
Page footer: Examination number	1	
TOTAL :	40	

VRAAG 7

=INT((E\$1 - C3)/365)

**GRAAD 8 SEUN/ GRADE 8
BOYS****05/01/01**

VAN/SURNAME	NAAM/ NAME	GEB.DATUM /DATEofBIRT	OUDERD/ AGE
VAN DER WESTHUI	JOHAN	90/11/21	14
SMITH	ANDREW	90/04/30	14
BELL	GRAHAM	91/12/30	13
WILLS	SHANE	90/03/12	14
JACOBZ	HENRY	89/01/29	15
MOOLMAN	JOHAN	90/10/28	14

QUESTION 7/VRAAG 7 (Spreadsheet BOYSXX / Sigblad SEUNSXX)

Heading: GRADE 8 BOYS ✓ SURNAME , NAME , BIRTHDATE ✓	2
Copy data correct (-1 per error : wrong record; wrong column; extra column)	3
E1: 05/01/01 (type YY/MM/DD) ✓	1
Column D: = INT ✓ ((E\$ - C3) ✓ /365) ✓	3
TOTAL:	9

GRAND TOTAL / GROOTTOTAAL: 150