

MARK

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

COMPUTER APPLICATIONS TECHNOLOGY P1

FEBRUARY/MARCH 2015

MEMORANDUM/MARKING GUIDELINE

MARKS: 180 FINAL MARK CENTRE NUMBER EXAMINATION NUMBER TOTAL QUESTION 1 2 3 4 5 6 7 **POSSIBLE MARK** 28 22 18 21 180 31 40 20 **CANDIDATE MARK** MARKER CODE/ **SIGNATURE MODERATED**

This memorandum/marking guideline consists of 13 pages.

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QUESTION 1	File name: 1Energy Energie	Total Q1: 2

No	Criteria	N	laxim Marl		Candidate Mark
1.1.1	 Cover page/Title page Any page border added ✓ (Note to marker: Border can appear only on first page.) 	1		1	
1.1.2	 Cover page/Title page Watermark appears only on first page ✓ 	1		1	
1.2	 Table of contents Automatic Table of Contents inserted ✓ Three levels of headings appear ✓ Correct styles used: Title, Heading 1 and Heading 2 styles ✓ 	1 1 1		3	
	(Note to marker: All three levels must be inserted correctly in order to obtain the last mark.)				
1.3	 Page numbering Page numbers have been inserted in the header ✓ Automatic page numbering starts as 1 on the second page ✓ Page numbering does not appear on the first page ✓ 	1 1 1		3	
1.4	Shape fill • 'Social' shape has been filled with the picture 1Social_Sosiaal ✓ (Note to marker: Accept if any of the other images have been used to fill the shape.)	1		1	
1.5	 Hyperlink Hyperlink applied on word 'resources' ✓ Linked to heading 'Where does our energy come from?' ✓ (Note to marker: Allocate the marks if the candidate created a bookmark and linked the text to the bookmark.) 	1		2	
1.6	 Table Text was correctly converted to table ✓ Any table style applied to the table other than the default ✓ 	1		2	
	(Note to marker: Do not award the first mark if only one column appears.)				

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1.7	 Citation Citation created ✓ Title – SMART LIVING HANDBOOK, Year – 2011 ✓ APA style applied ✓ (Note to marker: Allocate second mark if only the title or the year has been inserted.) 	1 1 1	3	
1.8	 Caption Automatic caption changed from table to figure ✓ Caption appears with the text 'Figure1: Electricity' ✓ 	1	2	
1.9	 Bullets Bullets formatted to a picture ✓ 1Bullet_Kolpunt picture used to format bullets ✓ (Note to marker: Accept if only one bullet is changed.) 	1 1	2	
1.10	 Style New style named Energy ✓ Font size set to 16 pt ✓ Font colour changed to red ✓ 'Energy' style applied to heading 'Decommissioning' ✓ 	1 1 1	4	
1.11	 Find and Replace All occurrences of the whole word 'sustainnable' have been replaced with the word 'sustainable' ✓ Highlighted ✓ (Note to marker: 2 replacements expected.) 	1 1	2	
1.12	 Widow/Orphan Widow/Orphan control setting has been unchecked for third column in table ✓ 	1	1	
1.13	 Table of Figures/Illustration Index Table of Figures/Illustration Index updated ✓ (Notes to marker: Check that the 'Imported gas' figure has been added to the table to mark this question. Page numbers may differ.) 	1	1	
	Total for QUESTION 1		[28]	

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File name: 2School_Skool **QUESTION 2 Total Q2: 22**

No	Criteria		aximum Mark	Candidate Mark
2.1	 Page orientation Only the first page changed to landscape ✓ Section break inserted and second page appears in portrait 	1	2	
2.2	 Page border Top margin of page border changed to 17 pt ✓ From edge of page ✓ 	1	2	
2.3	 Heading centred Heading has been centred horizontally ✓ 	1	1	
2.4	 Columns Selected text displayed in three columns ✓ Spacing between columns set to 0.6 cm ✓ Column break inserted before the headings 'Switch off at the socket!' and 'Turn off the lights' ✓ 	1 1 1	3	
	 (Notes to marker: Do not penalise if a line between columns was added. Allocate the third mark if only one column break was inserted.) 			
2.5	 Callout shape Text box has been changed to callout shape ✓ Grey fill colour applied to shape ✓ Shape sized to include all the original information so it is clearly visible ✓ 	1 1 1	3	
2.6	 (Note to marker: Accept any similar callout shape.) Grouping Pictures moved to correct position/order ✓ Pictures grouped as one object ✓ 	1 1	2	
2.7	Hyphenation • Hyphenation set to automatic ✓	1	1	
2.8	 Survey Form Three leader tab lines have been removed ✓ Text form field type of Age changed to Number type ✓ Blue placeholder replaced with a drop-down list ✓ Items appear as Moderate, Mild, Excessive ✓ 	1 1 1	4	
2.9	Symbol/Shape • Correct symbol inserted next to 'Use Electricity Sparingly' ✓	1	1	
2.10	Watermark • Watermark inserted on any page ✓ • 2Back_Agter picture inserted ✓ • Scale is set to 120% ✓	1 1 1	3	
	Total for QUESTION 2		[22]	

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QUESTION 3 File name: 3Individ Total Q3: 18

- Mark the questions from the formulae and not the values/answers in the cell.
- Check against candidate's actual work (Cell references may differ, depending on the candidate's response).
- Candidate may use multiple formulae or cells as 'building blocks' to answers.
- Named ranges can be used instead of cell references.

No	Criteria	N	laximum Mark	Candidate Mark
Main_	Hoof worksheet			
3.1	Cell B3: = TODAY() OR NOW() ✓	1	1	
3.2	Cell B4: =DATE(YEAR(B3)+2,MONTH(B3)+3,DAY(B3)) • DATE function ✓ • (YEAR(B3)+2 ✓ • MONTH(B3)+3 ✓ • DAY(B3)) ✓ (Note to marker: Accept any other suitable method.)	1 1 1	4	
3.3	Cell B7: =CONCATENATE(LEFT(A7,3),J7) OR =LEFT(A7,3)&J7 • CONCATENATE function OR & sign ✓ • LEFT ✓ (A7,3) ✓	1 2	4	
3.4	• J7 ✓ Cell C19: =MODE(C7:I18) ✓	1	1	
3.5	Column I: Data Validation • Validation criteria: Allow whole number ✓ • Criteria: <= ✓ • 100 ✓ • Any suitable error message ✓	1 1 1 1	4	
3.6	Page Setup • Print area set to A1:J19 ✓ • Gridlines – 'Print' checked in page setup ✓	1	2	
Trans	p worksheet			
3.7	 Transp worksheet Data copied from range A14:I16 from Main_Hoof worksheet to Transp worksheet ✓ Data correctly displayed/transposed ✓ Total for QUESTION 3 	1 1	[18]	

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QUESTION 4 File name: 4Countries_Lande Total Q4: 31

- Mark the questions from the formulae and not the values/answers in the cell.
- Check against candidate's actual work (Cell references may differ, depending on the candidate's response).
- Candidate may use multiple formulae or cells as 'building blocks' to answers.
- Named ranges can be used instead of cell references.

No	Criteria		aximum Mark	Candidate Mark
Carbo	on_Koolstof worksheet			
4.1	 Carbon_Koolstof tab: Tab changed to any colour other than the original colour ✓ (Note to marker: The original tab colour was white.) 	1	1	
4.2	 Cell A1: Comment added ✓ Comment text inserted: 'Carbon released' ✓ (Note to marker: Ignore spelling.) 	1 1	2	
4.3	Cell C10: = VLOOKUP(B10,Capital_Hoofstad!A2:B20,2,FALSE) OR = VLOOKUP(B10,Capital_Hoofstad!A2:B20,2,0) • LOOKUP value: B10 ✓ • Table array: Capital_Hoofstad!A2:B20 ✓ OR Table array: Capital_Hoofstad!A1:B20) • Column index number: 2 ✓ • Range_Lookup: False OR 0 ✓	1 1 1 1	4	
	 OR VLOOKUP(B10,Capital_Hoofstad!A2:B20,2) LOOKUP-value: B10 ✓ Table array: Capital_Hoofstad!A2:B20 ✓ OR Table array: Capital_Hoofstad!A1:B20) Column index number: 2 ✓ Data in range A2:B20 is sorted in alphabetical order in the Capital_Hoofstad worksheet according to country ✓ (Note to marker: Absolute cell referencing can be used.)			

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4.4	Cell F22: = SUMIF(D3:D21,"*America",F3:F21)		5	
	SUMIF function ✓	1		
	 Criteria range: (D3:D21) ✓ 	1		
	 Criteria: "*✓ America" ✓ 	2		
	Sum range: (F3:F21) ✓	1		
	OR			
	=SUMIF(D3:D21,"South America",F3:F21) +			
	SUMIF(D3:D21,"North America",F3:F21)			
	SUMIF function ✓			
	Criteria range: (D3:D21) ✓			
	Sum range: (F3:F21) ✓			
	Both criteria included ✓ ✓			
4.5	Cell H3: =IF(G3>=\$F\$24,"High Risk","Low Risk")		5	
	OR			
	=IF(G3<\$F\$24,"Low Risk","High Risk")			
	OR			
	=IF(G3>=AVERAGE(\$G\$3:\$G\$21),"High Risk", "Low Risk")			
	OR			
	=IF(G3 <average(\$g\$3:\$g\$21),"low "high="" risk")<="" risk",="" th=""><th></th><th></th><th></th></average(\$g\$3:\$g\$21),"low>			
	IF function ✓			
	 Condition G3 >=F24 OR Average(G3:G21) and value 	1		
	"High Risk" ✓	4		
	 Condition G3<f24 <b="">OR Average(G3:G21) and value</f24> 	1		
	"Low Risk" ✓	1		
	Absolute addressing \$F\$24 OR (\$G\$3: \$G\$21) ✓	1		
	 Formula copied to cells H4 to H21 ✓ 	1		
4.6	Cell J3:		5	
	=I3/SUM(I3:I21)*100			
	OR			
	=I3/SUM(I3:I21)%			
	• 13 ✓	4		
	• / ✓ SUM(I3:I21) ✓	1 2		
	*100 OR cell formatted as percentage ✓	1		
	Formatted to 4 decimal places ✓	1		

4.7	Cell F26: =F3/E3*POWER(I3,5) • F3 ✓ • /E3 ✓ • * POWER(I3 ✓ ,5) ✓	1 1 2	4	
	OR =F3/E3*I3^5 • F3 ✓ • * I3 ✓ ^5 ✓ OR =F3/E3*I3*I3*I3*I3*I3 • F3 ✓ • * I3 ✓ multiplied by itself 5 times ✓			
Nuclea	ar_Kernkrag worksheet			
4.8	 Graph Horizontal axis title 'Country' inserted ✓ Highest column filled in a different colour ✓ Value data label set for France only ✓ Exponential trendline inserted ✓ Vertical axis scale set to automatically display the maximum value ✓ 	1 1 1 1	5	
	Total for QUESTION 4		[31]	

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QUESTION 5 File name: 5Course_Kursus Total Q5: 40

No	Criteria	ľ	Maxim Mar		Candidate Mark
Table:	Cur_Kur				
5.1.1	 Field: Type_Tipe Drop-down field ✓ Options are Sust-Related and Sust-Focused ✓ 	1		12	
	Field: Dept_Dept • Field size 15 ✓	1		-	
	 Field: CourseID_KursusID Required property set to Yes ✓ Indexed properties set to Yes (no duplicates) ✓ Input mask: > ✓ LLL ✓ ? ✓ 	1 1 1 1			
	 Field: Cost_Koste Format set to currency (Rand) or data type changed to Currency ✓ 	1		-	
	 Field: Avail_Beskik Format set to Yes/No ✓ Lookup display control changed to textbox ✓ 	1 1		_	
5.1.2	 Format table Gridlines removed ✓ Background colour of table changed to grey ✓ 	1		2	
Cours	e_Kursus				
5.2	 Export table Table Course_Kursus exported to word processing type document ✓ Saved as 5Exp_Uit ✓ (Note to marker: Accept any document type that will open)	1		2	
	in a word processor.)				
Query	: qry5_3				
5.3	 Title_Titel, Cost_Koste and VATInc fields are displayed ✓ Calculated field name: VATInc: ✓ [Cost_Koste] ✓ * ✓ 1.14 ✓ OR 14/100+[Cost_Koste] OR 114/100 OR 0.14+[Cost_Koste] 	1 1 1 1		5	

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Query	: qry5_4				
5.4	 Criteria Title_Titel = "*sustainable* " Both wildcards (*) ✓ sustainable ✓ Student_Student field: >= 60 ✓ (>59) AND ✓ <100 ✓ (<=99) 	2 1 1		5	
	(Note to marker: 2 records expected.)				
Query	: qry5_5	•	•		
5.5	 Fields included: Dept_Dep, Cost_Koste, Title_Titel, Avail_Beskik ✓ Dept_Dept = "ACCT" ✓ Avail_Beskik = Yes ✓ OR 1 OR True OR -1 Title_Titel field sorted ascending ✓ 	1 1 1		4	
Form:	frm5_6				
5.6	 Only CourseID_KursusID, Title_Titel, Avail_Beskik fields included ✓ Label in form header changed to 'Courses' ✓ Date inserted as field in form footer ✓ 	1 1 1		3	
Repor	t: rpt5_7		•	1	
5.7	 Report data source changed to qry5_7 ✓ Grouped on Avail_Beskik field ✓ Properties changed to 'keep whole group together on page' ✓ Function inserted in group footer or group header ✓ =count ✓ ([Title_Titel]) ✓ OR =count ✓ (*) ✓ Suitable label (must refer to number of courses) ✓ 	1 1 1 2		7	
	Total for QUESTION 5			[40]	

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QUESTION 6 File name: 6Tips_Wenke Total Q6: 20

- This question should be marked from the browser as far as possible, unless otherwise indicated or if it cannot be seen on the browser.
- A maximum of 1 mark will be deducted if one or more closing tags are omitted.
- The code of the candidates who use a word processor will contain additional unnecessary tags. Markers will need to work through the code to check for the answers provided below.

No	Criteria	ľ	Maxim Mark		Candidate Mark
6.1	Title <title>Energy Tips</title>			2	
	 'Energy Tips' appears ✓ In the browser tab ✓ 	1			
6.2	Background colour <body bgcolor="white"></body>			1	
	Background colour changed to white ✓	1			
6.3	Heading and alignment <h1 align="center">Energy Saving Tips</h1>			2	
	 'Energy Saving Tips' appear as heading 1✓ 'Energy Saving Tips' centred ✓ 	1 1			
6.4	Horizontal line size <a 10"="" href="https://www.size=">			1	
	Line size set to 10 ✓	1			
6.5	Table: Row and Column 			4	
	Tip 1 Leaving a computer monitor on overnight wastes as much energy as making 800 A4 photocopies!				
	 Font of entire table changed to Arial ✓ Row inserted at the top of the table ✓ Text 'Tip 1' appears in the first cell of the new row ✓ 	1 1 1			
	 Text 'Leaving a computer monitor on overnight wastes as much energy as making 800 A4 photocopies!' appears in the second cell in the new row ✓ 	1			

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6.6	Image: Height and Width <img <="" height="200" src="6Save_Spaar.jpg" th=""/> <th></th> <th>4</th> <th></th>		4	
	width="200">Image appears below the table ✓	1		
	 Image appears below the table ✓ Image displays correctly ✓ 	1		
	• Height = 200 ✓	1		
	• Width = 200 ✓	1	_	
	(Note to marker: Mark this from the HTML code.)			
6.7	Ordered list		2	
	<pre> Change a light!</pre>			
	Fight the light!			
	< i>Don't leave it on!			
	<pre>Shocking battery power</pre>			
			-	
	 Bulleted list changed to numbered list ✓ 	1		
	 Font size of list items changed to 6 ✓ 	1		
	(Note to marker: Mark the second bullet from the HTML code.)			
6.8	Link		4	
	Link to Google			
	Link text 'Link to Google' inserted ✓	1		
	 Between paragraph tags ✓ 	1		
	Link moves to 'www.google.com' ✓	1 1		
	Link works correctly ✓			
	(Note to marker: The link will work correctly if the web		_	
	browser opens and the address displays in the address bar. No Internet access is needed.)			
	Closing tag(s) or brackets omitted	-1		
	Total for QUESTION 6		[20]	

Total Q7: 21

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QUESTION 7
File names: 7Act_Akt, 7Temp and 7Video

No	Criteria	Maximum Mark		Candidate Mark	
7Act_	Akt				
7.1	 Extraction 7Video file extracted (7Video.mp4 appears in examination folder) ✓ 	1		1	
7.2.1	 Cross-reference Cross-reference created ✓ On the text 'Temperatures' ✓ Linked to bookmark called 'Graph' ✓ 	1 1 1		3	
7.2.2	 Equation Equation adjusted to include Kwh on top ✓ Day included below Kwh ✓ 	1		2	
7.2.3	 Shape added Shape with text 'Human Resources' added ✓ In the correct position ✓ 	1		2	
7Tom	(Note to marker: Ignore spelling.)				
7Tem 7.3	Graph/Chart in 7Temp			6	
7.5	 Years sorted in ascending order ✓ Duplicate values deleted ✓ Top 3 temperatures ✓ appear with a border ✓ Graph inserted in 7Act_Akt document ✓ Reduced to fit in third column ✓ 	1 1 1 1 1 1			
7Act_	Akt				
7.4	Calculation in table ■ =AVERAGE ✓ ■ (ABOVE) ✓	1		2	
7.5	 Text form field Maximum characters is set to 30 ✓ Default text added as 'Add your name here' ✓ 	1		2	
7.6	 Author properties Author property of document changed to examination number ✓ Author field inserted next to 'Created by:' ✓ Displays in capital letters ✓ 	1 1 1		3	
	Total for QUESTION 7			[21]	
	TOTAL				180