



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL SENIOR CERTIFICATE

GRADE 12

COMPUTER APPLICATIONS TECHNOLOGY P1
FEBRUARY/MARCH 2016
MEMORANDUM/MARKING GUIDELINE

MARKS: 180

CENTRE NUMBER									
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FINAL MARK	
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EXAMINATION NUMBER													
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QUESTION	1	2	3	4	5	6	7	TOTAL
POSSIBLE MARK	35	16	28	22	40	20	19	180
CANDIDATE MARK								
MARKER CODE/ SIGNATURE								
MODERATED MARK								

This memorandum/marking guideline consists of 15 pages.

EXAMINATION NUMBER																			
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IGNORE SPELLING IN CASES WHERE IT WOULD NOT HAVE AN IMPACT ON THE ANSWER.

QUESTION 1

File name: 1Effect_Effek

Total Q1: 35

No.	Criteria	Maximum Mark			Candidate Mark
1.1.1	Text box control <ul style="list-style-type: none"> Examination number appears in content control ✓ 	1		1	
1.1.2	Picture control <ul style="list-style-type: none"> Picture 1Climate_Klimaat inserted on cover page ✓ Any picture appears in picture control ✓ 	1 1		2	
1.1.3	Styles <ul style="list-style-type: none"> 'Global' style applied to the title ✓ 	1		1	
1.2	Styles and Table of contents <ul style="list-style-type: none"> Style of the quote 'One of the ...' changed ✓ Any style besides 'Heading 1' applied ✓ Entire table of contents has been updated ✓ <p><i>(Note to marker: '6. Disease' must appear in the table of contents.)</i></p>	1 1 1		3	
1.3	Outline style <ul style="list-style-type: none"> Any text outline style applied to text 'global warming' ✓ <p><i>(Notes to marker:</i> <ul style="list-style-type: none"> Accept any type of text outline. Do not accept WordArt/Fontworks.) </p>	1		1	
1.4	Automatic numbering <ul style="list-style-type: none"> Automatic numbering applied to '1. Rising Sea Levels' ✓ <p><i>(Note to marker: Accept if original '1' remains.)</i></p>	1		1	
1.5	Hyphenation <ul style="list-style-type: none"> Automatic hyphenation applied to paragraph under heading '1. Rising Sea Levels' ✓ 	1		1	
1.6	Bookmark <ul style="list-style-type: none"> Bookmark created to heading '2. Heat Waves' ✓ Called 'Heat' ✓ 	1 1		2	
1.7	Image <ul style="list-style-type: none"> Border added around image ✓ Weight of border set to 3.5 pt ✓ Any shadow appears around image ✓ 	1 1 1		3	

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3.4	<p>Cell D4: =MID(C4,FIND(" ",C4)+1,LEN(C4))</p> <p>OR</p> <p>=MID(C4,FIND(" ",C4),LEN(C4))</p> <p>=MID(C4,FIND(" ",C4,1),LEN(C4)-FIND(" ",C4,1)+1)</p> <p>=RIGHT(C4,LEN(C4) - FIND(" ",C4))</p> <p>=RIGHT(C4,LEN(C4) - FIND(" ",C4)+1)</p> <p>=RIGHT(C4,LEN(C4) - (FIND(" ",C4)-1))</p> <p>=RIGHT(C4,LEN(C4) - FIND(" ",C4,1))</p> <ul style="list-style-type: none"> • FIND function used correctly ✓ • Determine space ✓ in the correct cell (C4) ✓ • MID/RIGHT function used correctly ✓ • Extract the text after the space ✓ • LEN ✓ (C4) ✓ 	1 2 1 1 2		7	
3.5	<p>Cell D7:</p> <p>=C7*9/5+32</p> <ul style="list-style-type: none"> • C7 ✓ • *9/5+32 ✓ 	1 1		2	
3.6	<p>Cell G4:</p> <p>=ROUNDDOWN(NOW()-F4,0)</p> <p>OR</p> <p>=ROUNDDOWN(TODAY()-F4,0)</p> <ul style="list-style-type: none"> • ROUNDDOWN function ✓ • To the nearest whole number ✓ • Date in F4 ✓ • Subtracted from the current date ✓ • Format changed to display a number with no decimal places (Number, General, etc.) ✓ <p><i>(Notes to marker:</i></p> <ul style="list-style-type: none"> • <i>Accept TRUNC and INT in place of ROUNDDOWN.</i> • <i>Expected answer will vary depending on the date of marking.)</i> 	1 1 1 1 1		5	
3.7	<p>Page setup</p> <ul style="list-style-type: none"> • Print area set to A2:D32 ✓ • Fit to 1 page wide by 1 page tall option checked ✓ <p><i>(Note to marker: Check the setting of the print area in page setup.)</i></p>	1 1		2	
	Total for QUESTION 3			[28]	

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QUESTION 5

File name: 5Spec_Spes

Total Q5: 40

No.	Criteria	Maximum Mark			Candidate Mark
Table: Survey_Opname					
5.1.1	Field: Type <ul style="list-style-type: none"> Field size 10 ✓ 	1		1	
5.1.2	Field: ID <ul style="list-style-type: none"> Primary key on <i>ID</i> field only ✓ 	1		1	
5.1.3	Field: ID Input Mask: >LLLLL09 <ul style="list-style-type: none"> > – capital letters ✓ L – required letter ✓ 5 characters ✓ 0 – required digit ✓ 9 – optional digit ✓ 	1		5	
5.1.4	Field: Protected <ul style="list-style-type: none"> Field property 'Row Source Type' changed to 'Value list' ✓ 	1		1	
5.1.5	New field: FullStatus <ul style="list-style-type: none"> New field created <i>FullStatus</i> ✓ Display control changed to combo box or list box ✓ Row source type changed to table/query OR value list ✓ SELECT [Code_Kode].[Name] FROM Code_Kode; OR Options: Endangered, Threatened, Specific Concern, Significantly Rare ✓ <p><i>(Notes to marker:</i></p> <ul style="list-style-type: none"> <i>If a candidate used a table/query as a row source type, the row source will appear as SELECT [Code_Kode].[Name] FROM Code_Kode.</i> <i>If a candidate used value list as a row source, the options must appear in the row source.)</i> 	1		4	
Form: frm5_2					
5.2	<ul style="list-style-type: none"> Form created frm5_2 based on Survey_Opname table ✓ All fields included ✓ Data displayed in tabular layout ✓ Background colour of form heading changed ✓ Form heading bolded ✓ Examination number added to the form footer ✓ 	1		6	

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Query: qry5_3				
5.3	<ul style="list-style-type: none"> • <i>Type</i> criteria: Bird ✓ OR ✓ Plant ✓ • <i>Protected</i> criteria: Yes/True/-1 ✓ • AND operator applied for <i>Type</i> and <i>Protected</i> ✓ <p>(Note to marker: 12 records expected.)</p>	1 1 1 1 1		5
Query: qry5_4				
5.4	<ul style="list-style-type: none"> • Fields inserted: <i>SName</i>, <i>Status</i> and <i>Population</i> ✓ • <i>CName</i> field sorted ✓ • Records sorted in ascending order ✓ <p>(Note to marker: 42 records expected.)</p>	1 1 1		3
Query: qry5_5				
5.5	<ul style="list-style-type: none"> • Calculated field is <i>NewPop</i>: [Population]*0.99 OR *99/100 + [Population] OR [Population]-([Population]*1/100) OR [Population]-([Population]*0.01) Calculated field added correctly: <i>NewPop</i> ✓ <i>Population</i> field used correctly ✓ Calculation of 1% ✓ decrease ✓ • Format set to Standard OR Fixed ✓ • Decimal places set to 0 ✓ • <i>CName</i> criteria: Is Not Null OR <>" OR "*" OR Not "Blank" ✓ <p>(Notes to marker: • 41 records expected. • Accept INT, TRUNC, ROUND, ROUNDDOWN.)</p>	1 1 2 1 1 1		7
Report: rpt5_6				
5.6	<ul style="list-style-type: none"> • Fields included: <i>SurveyDate</i>, <i>ID</i>, <i>Cname</i>, <i>Protected</i> ✓ • Grouped according to <i>SurveyDate</i> ✓ • Group heading appears ✓ ('Surveys per year' OR 'SurveyDate per Year') • Grouping options set to year ✓ • Calculation in group header ✓ • =count(*) ✓ OR counted by any other field • Suitable label included with calculation ✓ 	1 1 1 1 1 1 1		7
Total for QUESTION 5				[40]

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6.6	<p>Table <code><tr></code> <code><td>Asian Elephant</td></code> <code></tr></code></p> <ul style="list-style-type: none"> • One row inserted below ✓ • With text 'Asian Elephant' ✓ <p><i>(Note to marker: Also accept row inserted above.)</i></p>	1 1	2	
6.7	<p>Heading 2 <code><h2>Physical description</h2></code></p> <ul style="list-style-type: none"> • Text 'Physical description' appears with Heading 2 style ✓ <p><i>(Note to marker: Mark this from the HTML code.)</i></p>	1	1	
6.8	<p>Italics <code><i>Proboscidea</i></code></p> <ul style="list-style-type: none"> • Text 'Proboscidea' appears in italics ✓ 	1	1	
6.9	<p>Bulleted list <code><ol type="i"></code> <code>Poaching is still a problem.</code> <code>Habitat loss is a concern.</code> <code></code></p> <ul style="list-style-type: none"> • The text appears in a numbered/ordered list ✓ • Bullet type appears as Roman numbers ✓ • Two list tags/items ✓ <p><i>(Note to marker: Allocate mark if at least one item appears in the bulleted list.)</i></p>	1 1 1	3	
6.10	<p>Link <code>Save the Elephant</code></p> <ul style="list-style-type: none"> • Link tags correctly inserted ✓ • On words 'Save the Elephant' ✓ • Link created to 6Save_Red file ✓ 	1 1 1	3	
	Closing tag(s) or triangular brackets omitted	-1		
	Total for QUESTION 6		[20]	

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QUESTION 7

Total Q7: 19

File names: 7Answ_Antw, 7Bird_Voël

No.	Criteria	Maximum Mark			Candidate Mark
7Bird_Voël					
7.1	<p>Columns</p> <ul style="list-style-type: none"> The text between 'What is Global Warming' and '...and other species' appears in two columns ✓ Column break inserted in correct position (before 'How will Global Warming affect us') ✓ <p>(Notes to marker:</p> <ul style="list-style-type: none"> Ignore if a line was added between columns. Accept if columns are not equal width.) 	1		2	
		1			
7.2	<p>Tabs</p> <ul style="list-style-type: none"> Leader tab has been set ✓ Dotted leader line applied ✓ <p>(Note to marker: Accept if leader line is applied to one text line.)</p>	1		2	
		1			
7.3	<p>Watermark</p> <ul style="list-style-type: none"> Text watermark inserted ✓ Watermark text 'Birds' added ✓ <p>(Note to marker: Accept if any custom text has been added to the watermark.)</p>	1		2	
		1			
7.4	<p>Chart/Graph</p> <ul style="list-style-type: none"> Line chart/graph ✓ Lines with marker chart/graph used ✓ Created with 2000 and 2014 data ✓ Names of birds included ✓ <p>(Note to marker: Accept if chart/graph is not exactly the same.)</p>	1		4	
		1			
		1			
		1			
		1			

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- Accept any method that will yield the correct answer.
- One mark for the answer and one mark for the method. If there is only an answer and no method, allocate only one mark if correct.

7Answ_Antw					
7.5.1	How many records are there in the database? • 3350 ✓	1		1	
7.5.2	How many birds have not yet been allocated an English name? • 53 ✓ Method: ✓ • Sort according to English name and count the blank cells • Create a query with the criteria 'Is Null' • Filter on criteria 'Is Null'	1 1		2	
7.5.3	To which family does the 'Pardusco' (English name) belong? • Thraupidae ✓ Method: ✓ • Filter on English name • Search on database and then Find • Query on English name with criteria	1 1		2	
7.5.4	How many birds with the English name containing the word 'Macaw' are there in the database? • 17 ✓ Method: ✓ • Filter on English name • Search on database, Find and then COUNT • Create a query	1 1		2	
7.5.5	How many unique families are there in the database? • 104 ✓ Method: ✓ • Query grouped by <i>Family</i> -field • Filter and count filter (any method) • Copy the structure of the database only, change the primary key to the <i>Family</i> field and paste the data from the original table. No duplicates are pasted.	1 1		2	
	Total for QUESTION 7			[19]	
	TOTAL				180