## basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

## NATIONAL SENIOR CERTIFICATE

## GRADE 12

## COMPUTER APPLICATIONS TECHNOLOGY P1

NOVEMBER 2011
MEMORANDUM

MARKS: 200

| CENTRE <br> NUMBER |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |



| EXAMINATION <br> NUMBER |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| QUESTION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | TOTAL |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POSSIBLE MARK | 11 | 34 | 30 | 30 | 35 | 42 | 18 | 200 |
| CANDIDATE'S <br> MARK |  |  |  |  |  |  |  |  |
| MARKER'S CODE/ <br> SIGNATURE |  |  |  |  |  |  |  |  |
| MODERATED <br> MARK |  |  |  |  |  |  |  |  |

This memorandum consists of 14 pages.

## QUESTION 1: Folder: Question1_Vraag1

TOTAL Q1: 11
Check all answers against candidate's actual work.

| No. | Criteria | Max. Mark |  | Candidate Mark |
| :---: | :---: | :---: | :---: | :---: |
| 1.1 | - Subfolder called Data appears $\checkmark$ (accept spelling errors) <br> (Note to marker: The subfolder must appear in the General_Algemeen folder to obtain the mark.) | 1 | 1 |  |
| 1.2 | - A shortcut is created which links to the file called Practice_Oefen $\checkmark$ in the General_Algemeen folder. <br> - Placed in Question 1_Vraag1 folder $\checkmark$ (Note to marker: The shortcut must appear in the Question 1_Vraag1 folder to obtain the second mark.) | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | 2 |  |
| 1.3 | - All four spreadsheet files (Bookstock, Calculations, Donations and Timesheets) appear in Question1_Vraag1 folder $\checkmark$ <br> - No spreadsheet files appear in General_Algemeen $\checkmark$ | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | 2 |  |
| 1.4 | - Bitmap image Head_Kop.jpg saved as a JPEG image (under any name) <br> (Note to marker: Original file size was 577 KB. File should be smaller.) | 1 | 1 |  |
| 1.5 | - Things.zip $\checkmark$ <br> (Note to marker: Do not penalise if file extension .zip is not given.) | 1 | 1 |  |
| 1.6 | - Number of lower case 'e' = $39 \checkmark$ | 1 | 1 |  |
| 1.7 | - Screenshot appears $\checkmark$ <br> - Files are sorted according to descending order of Name $\checkmark$ <br> - Only Name and Size fields are displayed $\checkmark$ <br> (Note to marker: Only accept if the screenshot consists of a single image) <br> (Assuming QUESTION 1.3 was answered correctly) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | 3 |  |
|  | Total for QUESTION 1 |  | [11] |  |

\begin{tabular}{|c|c|c|c|c|}
\hline No. \& Criteria \& \multicolumn{2}{|r|}{Max. Mark} \& Candidate \\
\hline 2.1 \& - Title style applied to main heading (on page 2) \(\checkmark\) \& 1 \& 1 \& \\
\hline 2.2 \& - All the text in the heading appears in upper case \(\checkmark\) \& 1 \& 1 \& \\
\hline 2.3 \& \begin{tabular}{l}
- Dropped cap created on letter TV \\
(Note to marker: Do not give this mark if dropped cap appears in the margin.) \\
- Dropped over five lines (13 pt in reveal formatting) \(\checkmark\) (Note to marker: Accept if the dropped cap was placed on another letter.)
\end{tabular} \& 1
1 \& 2 \& \\
\hline 2.4 \& - Paragraph spacing after paragraph set to \(12 \mathrm{pt} \checkmark\) \& 1 \& 1 \& \\
\hline 2.5 \& \begin{tabular}{l}
- Automatic page numbers are inserted \(\checkmark\) (Accept any type of page numbering in either the header or footer.) \\
- Page numbers appear in the footer \(\checkmark\) \\
- Format is lowercase Roman Numerals (i, ii, iii) \(\checkmark\) \\
- Page numbering is aligned to the right \(\checkmark\) (Note to marker: Do not penalise if number of pages has also been added.)
\end{tabular} \& 1

1
1
1 \& 4 \& <br>

\hline 2.6 \& | - Text watermark added $\checkmark$ (Accept any text/ignore spelling) |
| :--- |
| - Horizontally aligned $\checkmark$ |
| - Size 80 pt $\checkmark$ | \& 1

1
1 \& 3 \& <br>

\hline 2.7 \& | - Alignment matched so that the second heading is aligned to the left margin (indented at 0 cm ) |
| :--- |
| - Space between the number and the text is the same as the first heading (hanging indent of 0.63 cm ) $\checkmark$ | \& 1

1 \& 2 \& <br>

\hline 2.8 \& | - Automatic table of contents is created $\checkmark$ |
| :--- |
| - All (eight) headings formatted with the style Heading 2 appear |
| - No other headings appear $\checkmark$ |
| (Note to marker: Do not penalise if a different style for the table of contents has been used or if page numbering differs.) | \& 1

1
1 \& 3 \& <br>
\hline
\end{tabular}

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| No. | Criteria | Max. Mark |  | Candidate Mark |
| :---: | :---: | :---: | :---: | :---: |
| 3.1 | - Date inserted as a field $\checkmark$ (Do not allocate a mark if the date was manually typed in.) <br> - Format YYYY-MMM-DD $\checkmark$ (Ignore case) <br> - Updates automatically $\checkmark$ (Should show current date) <br> - At the $7 \mathrm{~cm} / 2.75$ inches tab stop $\checkmark$ (Note to marker: Do not award first three marks if a field was not inserted) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | 4 |  |
| 3.2 | - Format for Borrower Name/Lenernaam field set to title case $\checkmark$ | 1 | 1 |  |
| 3.3 | - Table inserted $\checkmark$ <br> - 13 columns $\times 1$ row $\checkmark$ <br> - Column widths set to $0.5 \mathrm{~cm} / 0.2$ " $\checkmark$ <br> - Placed in same line as heading $\checkmark$ <br> (Note to marker: Do not penalise if not aligned at 6 cm .) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | 4 |  |
| 3.4 | - Check box for the Afrikaans options is unchecked $\checkmark$ | 1 | 1 |  |
| 3.5 | - Tab set at $8 \mathrm{~cm} / 3.15$ inches (Accept any tab) $\checkmark$ <br> - (Any) dotted/dashed leader used <br> (Note to marker: Do not penalise if signature line added above or below the word 'Signature/Handtekening' or alongside.) | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | 2 |  |
| 3.6 | - Mouth shape changed to a 'smile' appearance <br> - Any shadow effect added <br> - Text in callout added reading 'Thank you/Dankie!' $\checkmark$ (Note to marker: Accept 'Thank you/Dankie!' on one line or wrapped.) <br> - Callout and autoshapes grouped as one object $\checkmark$ (Note to marker: Ignore spelling and position of callout.) | 1 1 1 <br> 1 | 4 |  |
| 3.7.1 | - Cells merged in first row of table $\checkmark$ | 1 | 1 |  |
| 3.7.2 | - Autofit to Contents option applied to table $\checkmark$ | 1 | 1 |  |
| 3.7.3 | - Both diagonal lines added to form a 'cross' (x) in the first or second cell <br> (Any method acceptable) | 1 | 1 |  |
| 3.7 .4 | - Magazine/Tydskrif option removed $\checkmark$ <br> - CD option added <br> - Options in correct order (Book_Boek, DVD, CD) $\checkmark$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | 3 |  |
| 3.8 | - $=$ Sum $\checkmark$ (Below) $\checkmark$ <br> (Note to marker: Do not accept a manually inserted answer of 4800 but accept $=F 4+F 5 \ldots+$ F34.) | 2 | 2 |  |
| 3.9 | - Table has been copied onto last page $\checkmark$ <br> - Headings appear in first row as per original table $\checkmark$ <br> - Only media listed is Book_Boek $\checkmark$ only items with at least two items listed $\checkmark$ <br> - All other records have been deleted $\checkmark$ <br> - List sorted by Surname $\checkmark$ (also accept descending) (13 records expected - or 12 records if Q3.7.4. was incorrectly answered) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | 6 |  |
|  | Total for QUESTION 3 |  | [30] |  |

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QUESTION 4: Filename: 4MediaS

- 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 actions.)
- Candidate may use multiple formulae or cells as 'building blocks' to answers.


| 4.6 | Cell C3 =VLOOKUP(D3,Data!\$F\$2:\$H\$76,3) <br> - Correct lookup cell used $\checkmark$ <br> - Correct lookup range specified $\checkmark$ <br> - Correct lookup column specified $\checkmark$ <br> - Absolute addressing correctly used for lookup table or if a named range was correctly used $\checkmark$ (Note to marker: Do not penalise if an extra fourth parameter of False is added.) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | 4 |  |
| :---: | :---: | :---: | :---: | :---: |
| 4.7 | Column G: =IF(C3="Bookworld",F3+10\%*F3,F3) <br> - Correct condition (e.g. C3="Bookworld" <br> - or D3 = 9) $\checkmark$ <br> - Correct mark up of $10 \% \checkmark$ added to original price $\checkmark$ <br> - Original value (F3) specified for other publishers $\checkmark$ <br> (Note to marker: The expected answer is R757.90. Accept any other valid solutions, e.g. <br> - =IF(C3="Bookworld",1.1*F3,F3) <br> - =IF(C3<>"Bookworld",F3,10\%*F3+F3) <br> - =IF(C3<>"Bookworld", F3,1.1*F3) <br> - $\quad=I F\left(D 3=9,10 \%{ }^{*} F 3+F 3, F 3\right)$ etc.) <br> (Do not deduct a mark if formula not copied to rest of cells in the column.) | $\begin{aligned} & 1 \\ & 2 \\ & 1 \end{aligned}$ | 4 |  |
| 4.8.1 | - Chart type changed to column graph $\checkmark$ | 1 | 1 |  |
| 4.8.2 | - Suitable title provided $\checkmark$ (The title must address the different type of media in the worksheet, e.g. Types of Media) <br> - Displayed below the graph $\checkmark$ | $1$ $1$ | 2 |  |
| 4.8.3 | Legend removed $\checkmark$ | 1 | 1 |  |
| 4.8.4 | Units added as title on the Y-axis $\checkmark$ | 1 | 1 |  |
| 4.8.5 | Major unit on the Y-axis changed from 5 to $10 \checkmark$ | 1 | 1 |  |
|  | Total for QUESTION 4 |  | [30] |  |

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## QUESTION 5: Filename: 5Users_Gebruikers

- 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 actions.)
- Candidate may use multiple formulae or cells as 'building blocks' to answers.

| No. | Criteria | Max. Mark |  | Candidate |
| :---: | :---: | :---: | :---: | :---: |
| Helpers worksheet |  |  |  |  |
| 5.1 | Any fill colour applied to cell A1 $\checkmark$ | 1 | 1 |  |
| 5.2 | Cell L3: =LARGE(G3:G42,2) <br> - LARGE function used $\checkmark$ <br> - Correct range specified $\checkmark$ <br> - Correct number (2) specified $\checkmark$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | 3 |  |
| 5.3 | Cell D3: $=\mathrm{UPPER}(\mathrm{B} 3) \& \operatorname{LEFT}(\mathrm{C} 3,1)$ or =CONCATENATE (UPPER (B3), LEFT(C3,1)) <br> - UPPER function applied correctly <br> - Surname appears (cell B3) $\checkmark$ <br> - \& operator or CONCATENTATE function used $\checkmark$ <br> - LEFT function used $\checkmark$ <br> - Correct cell used for LEFT function $\checkmark$ (Note to marker: No marks if user name is simply typed into the cell.) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ | 5 |  |
| 5.4 | Cell F3 =(NOW ( )- E3) / 365.25 <br> (Note to marker: accept 365) <br> - Correct terms subtracted $\checkmark$ <br> - Brackets added to enforce correct division $\checkmark$ <br> - Multiplication changed to division $\checkmark$ (Note to marker: Do not penalise candidate who used the TODAY function instead of the NOW function. Accept if terms were not swopped and /-365 or ABS was used.) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | 3 |  |
| 5.5 | Cell H3 =IF(G3>9,"A",IF(G3>=5, "B", "C")) <br> - Nested IF construct used correctly $\checkmark$ <br> - First criteria specified is correct, e.g. G3>9 $\checkmark$ <br> - Second criteria specified is correct, e.g. G3>=5 $\checkmark$ <br> - All 3 values (A, B and C) correctly match the criteria $\checkmark \checkmark$ (Award one mark if only two criteria match.) <br> (Note to marker: Accept any other valid solution such as: <br> =IF(G3<5,"C",IF(G3>=10, "A","B")) <br> =IF(G3>=10,"A",IF(G3>=5, "B","C")), etc.) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 2 \end{aligned}$ | 5 |  |


| 5.6 | Cell L4: =SUMIF(H3:H42,"A",G3:G42) <br> - SUMIF function used $\checkmark$ <br> - Correct criterion range specified $\checkmark$ <br> - Correct criteria specified $\checkmark$ <br> - Correct summing range specified $\checkmark$ | 1 1 1 1 |  | 4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 5.7 | Cell L5: answer is 9 <br> - LEN function has been used $\checkmark$ <br> - Correct answer of 9 appears $\checkmark$ | 1 1 |  | 2 |  |
| 5.8 | Time_Tyd worksheet: Cell D4 <br> - Cell format set to number/general (displays as 4 or 4.0) $\checkmark$ (Ignore decimals) | 1 |  | 1 |  |
| 5.9 | Time_Tyd worksheet: Cell L5 = D5+G5+J5 <br> - Correct cells included (D5, G5, J5) $\checkmark$ <br> - Addition operator used $\checkmark$ <br> (Note to marker: Do not award the second mark if the SUM function was used as the question asked for a formula.) | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ |  | 2 |  |
| 5.10 | Graph in Graph worksheet <br> - The data is set for the first four helpers only (cells A4:A7) (PODILE, MARX, SERUMULA and PUDIKABEKOA) $\checkmark$ <br> - Pie chart has any 3D effect. Ignore rotation $\checkmark$ <br> - Data labels set as percentages $\checkmark$ <br> - Data labels formatted to show one decimal place $\checkmark$ <br> - The legend appears below the chart $\checkmark$ <br> - Names in legend are split over 2 lines $\checkmark$ <br> - Largest segment/slice has been exploded/pulled out $\checkmark$ <br> - The largest segment/slice is filled with the picture 6BkPic_BkPrent $\checkmark$ (Note to marker: Allocate mark to OpenOffice users.) <br> - The graph appears in a separate worksheet $\checkmark$ (Do not penalise if worksheet not named correctly) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ |  | 9 |  |
|  | Total for QUESTION 5 |  |  | 35] |  |



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|  | EXAMINATION NUMBER |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6.3.1 | Form frmiTEMS <br> - Examination number typed in form footer $\checkmark$ |  |  | 1 | 1 |  |
| 6.3 .2 | Form frmiTEMS <br> - 6BkPic_BkPrent image inserted $\checkmark$ <br> - In the header of the form $\checkmark$ |  |  | 1 1 | 2 |  |
| 6.4 | Query qry6_4 <br> - Only Title_Titel and Author_Skrywer fields are displayed $\checkmark$ <br> - Sorted in descending order of Type_Tipe field $\checkmark$ |  |  | 1 1 | 2 |  |
| 6.5 | Query qry6_5 <br> - Price_Prys criterion: >=250 $\checkmark$ <br> - Type_Tipe criterion: <>"B" $\checkmark$ or NOT "B" <br> (Note to marker: Also accept "C" or "D" as criteria in the same line. If $C$ and $D$ are in separate lines $>=250$ must be repeated in the OR line.) |  |  | 1 1 | 2 |  |
| 6.6 | Query qry6_6 <br> Title_Titel criterion: Like '*Mathematics*' <br> - One for correct use of both wild cards (*) $\checkmark$ <br> - Mathematics $\checkmark$ <br> - Calculated field: $\checkmark$ Criteria:VAT_BTW: 0.14*[Price_Prys] <br> - 0.14 (or 14/100) <br> - *[Price_Prys] $\checkmark$ <br> - Formatted as currency $\checkmark$ |  |  | 1 1 1 1 1 1 | 6 |  |
| 6.7.1 | Report Repltems <br> - Data for the Title_Titel field $\checkmark$ (not the heading) <br> - Placed in different font colour to data of other fields $\checkmark$ |  |  | 1 1 | 2 |  |
| 6.7.2 | Report Repltems <br> - Date appears in text box provided in header $\checkmark$ <br> - Current date implemented as function =now() or date() $\checkmark$ (Note to marker: Do not penalise if time also appears.) |  |  | 1 1 | 2 |  |


| 6.7.3 | Report Repltems = SUM( [Price_Prys]) <br> - SUM function used $\checkmark$ <br> - Correct field [Price_Prys] used $\checkmark$ <br> - Displayed as South African rand $\checkmark$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ |  | 3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6.7.4 | Report Repltems (Grouping) <br> - Records grouped <br> - According to Pub_Uit field $\checkmark$ <br> - Count function moved or copied to either group header or footer $\checkmark$ <br> (Note to marker: Do not penalise if label has not been copied or moved from report footer.) | $\begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ |  | 3 |  |
| 6.8 | Report rep6_8 <br> - Report based on the Itemlist_ItemLys table $\checkmark$ <br> - Correct fields (Title_Titel, Type_Tipe, Year_Jaar) $\checkmark$ <br> - Grouping according to Type_Tipe field $\checkmark$ <br> - Sorted (ascending or descending) on Year_Jaar field $\checkmark$ | $\begin{aligned} & 1 \\ & 1 \\ & 1 \\ & 1 \end{aligned}$ |  | 4 |  |
|  | Total for QUESTION 6 |  |  | 42] |  |

QUESTION 7: Filenames: 7Data, 7Donations_Skenkings, 7Fax_Faks, 7MergeReady, 7MergeComplete TOTAL Q7: 18

| No. | Criteria | Max. Mark |  | Candidate |
| :---: | :---: | :---: | :---: | :---: |
| 7Fax_Faks |  |  |  |  |
| 7.1.1 | - Shaded table deleted $\checkmark$ (Note to marker: Do not allocate mark if only the content of the table was deleted.) | 1 | 1 |  |
| 7.1.2 | - The word many in 'many businesses' deleted $\checkmark \checkmark$ (Note to marker: Award 1 mark if the bookmark Del has been deleted instead of the word 'many.') | 2 | 2 |  |
| 7.1.3 | - Four or five $\checkmark$ instances of 'Media Book Club' replaced with 'Media Exchange Centre' $\checkmark$ <br> (Allocate 1 mark if the whole-word option has not been used and any of the 2 instances where the word book was used outside of the name has also been changed.) <br> - Replacements are in italics $\checkmark$ | 1 1 <br> 1 | 3 |  |
| 7.1.4 | - Properties of the hyperlink www.mec.org.za set to link to the website www.mec.org.za $\checkmark$ <br> (Note to marker: check properties of the link.) | 1 | 1 |  |
| 7.2.1 | - Data copied and pasted from spreadsheet $\checkmark$ <br> - As a linked object in the 7Fax_Faks document $\checkmark$ (If table is right-clicked update link is visible) | $\begin{aligned} & 1 \\ & 1 \end{aligned}$ | 2 |  |
| 7.2.2 | - Amount of top donor in the 7Donations_Skenkings spreadsheet $\checkmark$ <br> (Should be H van der Merwe but is dependent on data) | 1 | 1 |  |
| 7.2.3 | - Link in the 7Fax_Faks document updated to reflect the change of R5 000 made in the spreadsheet | 1 | 1 |  |



