

**GAUTENG DEPARTMENT OF EDUCATION
SENIOR CERTIFICATE EXAMINATION**

**COMPUTER STUDIES SG
FIRST PAPER**

**Possible Answers / Moontlike Antwoorde
Feb / Mar / Maart 2006**

N.B.

A complete mark allocation table is given at the END of each question.

QUESTION 1: ORIGINAL FILE

STATEMENT - JUNE 2005

MONTHLY SERVICE FEE

120.00

| DATE | DIALLED NUMBER | UNITS | NUMBER OF SMS |
|------|----------------|-------|---------------|
| 6/1 | 011 4554452 | 2 | 9 |
| 6/2 | 075 234 2345 | 3 | 5 |
| 6/2 | 075 334 5767 | 2 | 1 |
| 6/2 | 075 654 7890 | 1 | 0 |
| 6/3 | 075 234 2345 | 1 | 4 |
| 6/3 | 011 6543322 | 2 | 15 |
| 6/3 | 075 765 4444 | 3 | 4 |
| 6/5 | 011 8674323 | 1 | 0 |
| 6/6 | 075 765 5555 | 3 | 1 |
| 6/6 | 075 765 5555 | 1 | 3 |
| 6/8 | 075 234 2345 | 2 | 0 |
| 6/10 | 012 3454112 | 2 | 8 |
| 6/10 | 075 345 7854 | 2 | 10 |
| 6/10 | 075 765 5555 | 2 | 0 |
| 6/10 | 011 692 4453 | 1 | 3 |
| 6/11 | 075 234 2345 | 1 | 5 |
| 6/15 | 012 3458654 | 2 | 5 |
| 6/18 | 075 765 5555 | 5 | 0 |
| 6/19 | 075 543 4476 | 3 | 1 |
| 6/19 | 075 234 2345 | 2 | 2 |
| 6/19 | 075 765 5555 | 1 | 0 |
| 6/25 | 075 765 5555 | 2 | 0 |
| 6/27 | 012 3454112 | 2 | 0 |
| 6/30 | 075 765 5555 | 4 | 3 |

MEMO QUESTION 1



Me2U

STATEMENT - JUNE 2005

MONTHLY SERVICE FEE

120.00

| A | B | C | D | E | F | G |
|--------|----------------|-------|---------------|--------------|-------------|----------|
| DATE | DIALLED NUMBER | UNITS | NUMBER OF SMS | CALL CHARGES | SMS CHARGES | |
| 1-Jun | 011 4554452 | 2 | 9 | R 3.20 | R 6.30 | National |
| 2-Jun | 075 234 2345 | 3 | 5 | R 4.80 | R 3.50 | |
| 2-Jun | 075 334 5767 | 2 | 1 | R 3.20 | R 0.70 | |
| 2-Jun | 075 654 7890 | 1 | 0 | R 1.60 | R 0.00 | |
| 3-Jun | 075 234 2345 | 1 | 4 | R 1.60 | R 2.80 | |
| 3-Jun | 011 6543322 | 2 | 15 | R 3.20 | R 10.50 | National |
| 3-Jun | 075 765 4444 | 3 | 4 | R 4.80 | R 2.80 | |
| 5-Jun | 011 8674323 | 1 | 0 | R 1.60 | R 0.00 | National |
| 6-Jun | 075 765 5555 | 3 | 1 | R 4.80 | R 0.70 | |
| 6-Jun | 075 765 5555 | 1 | 3 | R 1.60 | R 2.10 | |
| 8-Jun | 075 234 2345 | 2 | 0 | R 3.20 | R 0.00 | |
| 10-Jun | 012 3454112 | 2 | 8 | R 3.20 | R 5.60 | National |
| 10-Jun | 075 345 7854 | 2 | 10 | R 3.20 | R 7.00 | |
| 10-Jun | 075 765 5555 | 2 | 0 | R 3.20 | R 0.00 | |
| 10-Jun | 011 692 4453 | 1 | 3 | R 1.60 | R 2.10 | National |
| 11-Jun | 075 234 2345 | 1 | 5 | R 1.60 | R 3.50 | |
| 15-Jun | 012 3458654 | 2 | 5 | R 3.20 | R 3.50 | National |
| 18-Jun | 075 765 5555 | 5 | 0 | R 8.00 | R 0.00 | |
| 19-Jun | 075 543 4476 | 3 | 1 | R 4.80 | R 0.70 | |
| 19-Jun | 075 234 2345 | 2 | 2 | R 3.20 | R 1.40 | |
| 19-Jun | 075 765 5555 | 1 | 0 | R 1.60 | R 0.00 | |
| 25-Jun | 075 765 5555 | 2 | 0 | R 3.20 | R 0.00 | |
| 27-Jun | 012 3454112 | 2 | 0 | R 3.20 | R 0.00 | National |
| 30-Jun | 075 765 5555 | 4 | 3 | R 6.40 | R 2.10 | |

Total number of SMS messages: 79
 Average call charge: R 3.33
 Longest call: 5
 Number of 011 numbers: 4
 Total monthly cost: R 255.30

QUESTION 1 – Mark Allocation

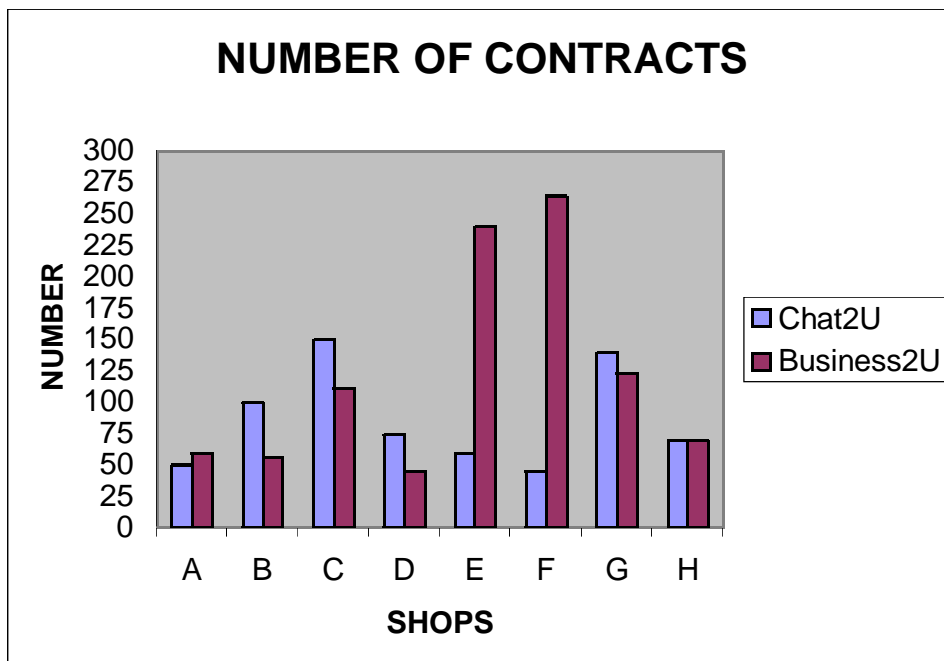
Spreadsheet STATEMXXX

| | | | | | |
|---|-----------------------------------|---------------------------------------|-----------------------------|----------------|---|
| <u>Opskrif/Header 14pt</u> | | <u>Bold</u> | <u>Sentreer/Centre A-F</u> | | 4 |
| <u>Sel A1 Cell A1</u> | <u>Prentje Picture</u> | <u>Prent duidelik Picture clearly</u> | <u>M2U ingevoeg Add M2U</u> | <u>WordArt</u> | 5 |
| Kolom opskrifte Column headings | Rooi/red | Background blou/blue | Wrap | A-F | 4 |
| Dubbel lyn/ double line na kolom D/after column D | | | | | 2 |
| Kolom A: Column A | Maandnaam/ Month name | | | | 2 |
| Kolom C,D Column C,D | Sentreer, Centre | | | | 1 |
| Kolom E: Column E: | OPROEPKOSTE CALL CHARGES | =C5*1.6 | R, 2 des/dec | | 3 |
| Kolom F: Column F | SMS-KOSTE SMS-CHARGES | =D5*0.7 | R, 2 dec | | 3 |
| Kolom G: Column G | =IF (B5<"075","Nasionaal","") | | | | 5 |
| Totaal SMS Total SMS | =SUM (D5:D28) | | | | 2 |
| Gem oproepkoste Average call charge | =AVERAGE (E5:E28) | | | | 2 |
| Langste oproep Longest call | =MAX (C5:C28) | | | | 2 |
| Aantal "011" Number "011" | =COUNTIF (B5:B28, "011") | | | | 3 |
| Totale maandelikse koste Total monthly charge | =SUM (E5:F28) + D3 | | | | 3 |
| Header | Eksamennommer/ Examination number | | | | 1 |
| | | | | | |

[42]

QUESTION 2**ORIGINAL FILE**

| SHOP | Chat2U | Business2U |
|------|--------|------------|
| A | 50 | 60 |
| B | 100 | 56 |
| C | 150 | 112 |
| D | 75 | 45 |
| E | 60 | 240 |
| F | 45 | 264 |
| G | 140 | 123 |
| H | 70 | 70 |

2.1 MEMO: CHART NUMBER**QUESTION 2.1 (Spreadsheet NUMBER) MARK ALLOCATION****CHART NUMBER**

| | |
|--------------------------------|---|
| Bar chart ü | 1 |
| Title: NUMBER OF CONTRACTS ü | 1 |
| X-axis: SHOPS ü Y-axis NUMBERü | 2 |
| SERIES : Chat2U ü Business2U ü | 2 |
| SCALE : 25 units ü | 2 |

(8)

2.2 MEMO CHART COMPARE

Business2U COMPARISON

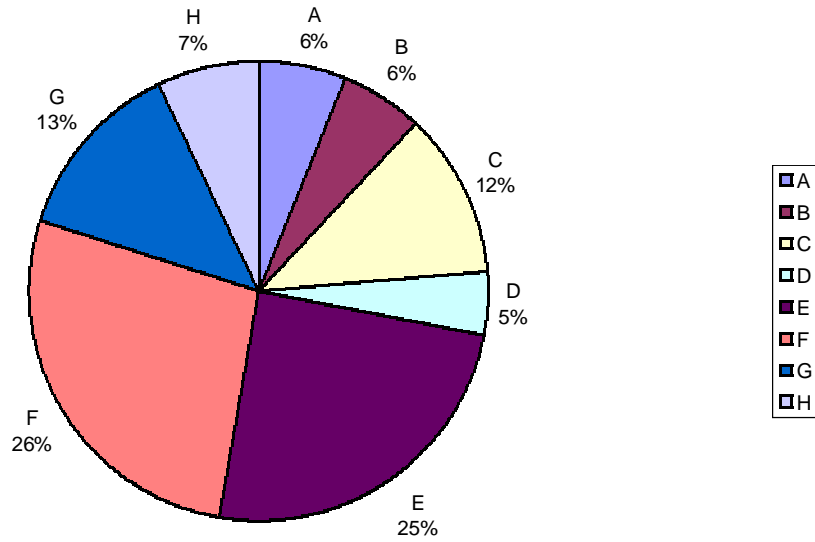


CHART COMPARE

| | | |
|---------------------------------|---------------|---|
| Pie chart ü | Correct dataü | 2 |
| Title: Business 2U COMPARISON ü | | 1 |
| Numberü | %ü | 2 |

(5)

[13]

QUESTION 3

ORIGINAL FILE

At Me2U, a mobile communication network, there is something special for U.

Me2U prepaid:

There is a range of prepaid cards to choose from. Cards are available in denominations of R30, R50, R150 or R300.

Me2U contracts:

You can choose between our Chat2U and Business2U contracts. If you use your cell-phone mostly during the day Business2U offers the best rates and services.

Text message:

Are you young and send a lot of text message?

Add an SMS bundle to your contract and pay less for text message.

* Unused SMS units will not be carried over to the next month

Me2U offers the following services:

Voice mailbox

Emergency Services

Directory Enquiries

Call waiting

Call holding

Call forwarding

Billing per second

International roaming

Special rates for Internet surfing

Customer Service

MEMO QUESTION 3

Me2U products and services

At Me2U, a mobile communication network, there is something special for U.

- Me2U prepaid:**
 There is a range of prepaid cards to choose from. Cards are available in denominations of R30, R50, R150 or R300.
- Me2U contracts:**
 You can choose between our Chat2U and Business2U contracts. If you use your cellphone mostly during the day Business2U offers the best rates and services.
- Text messages:**
 Are you young and send a lot of text messages?
 Add an SMS bundle to your contract and pay less for text messages.

| Package | Number of SMS | Price |
|----------------|---------------|-------|
| P ₁ | 100 | R30 |
| P ₂ | 500 | R100 |
| P ₃ | 1000 | R150 |

* Unused SMS units will not be carried over to the next month

Me2U offers the following services:

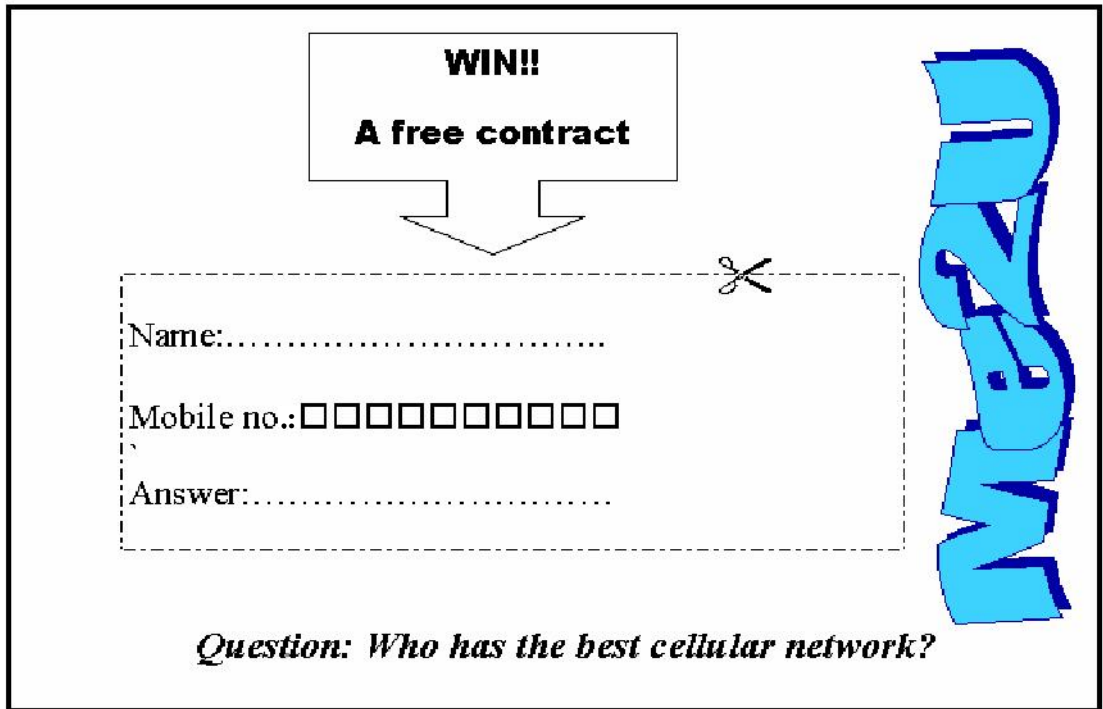
| | |
|---------------------|------------------------------------|
| Voice mailbox | Call forwarding |
| Emergency Services | Billing per second |
| Directory Enquiries | International roaming |
| Call waiting | Special rates for Internet surfing |
| Call holding | Customer Service |

INFOXXX Mark allocation:

| | | | | | |
|---|---|--------------------------------|----------------|--------|---|
| Heading: Me2U products and services. ü | centre ü | Comic Sans ü | 24 ptü | 4 | |
| Remainder of document: | Arialü | | | 1 | |
| Subtitles: | Boldü | Bulletsüü | Text inlineü | All 3ü | 5 |
| Table: | Insertüü | | Headings Boldü | | 9 |
| | Column 1 Centreü | Column 2,3 Right alignüü | | | |
| | 1,2,3 Subscript üü | Move table in line with text ü | | | |
| Unused SMS... | 10 ptü | In line with table ü | | 2 | |
| Me2U offers: | Underlineü | 2 columnsüü | | 3 | |
| Replace message with messages ü | 2 ü | | | 2 | |
| Spelling | Emergency Services ü | Call forwarding ü | | 2 | |
| Margins | Right + Left 3cm üü Top + Bottom 3 cmüü | | | 4 | |
| Header : | Examination number Leftü | Date Right ü | | 2 | |

[34]

MEMO QUESTION 4



FLYERXXX

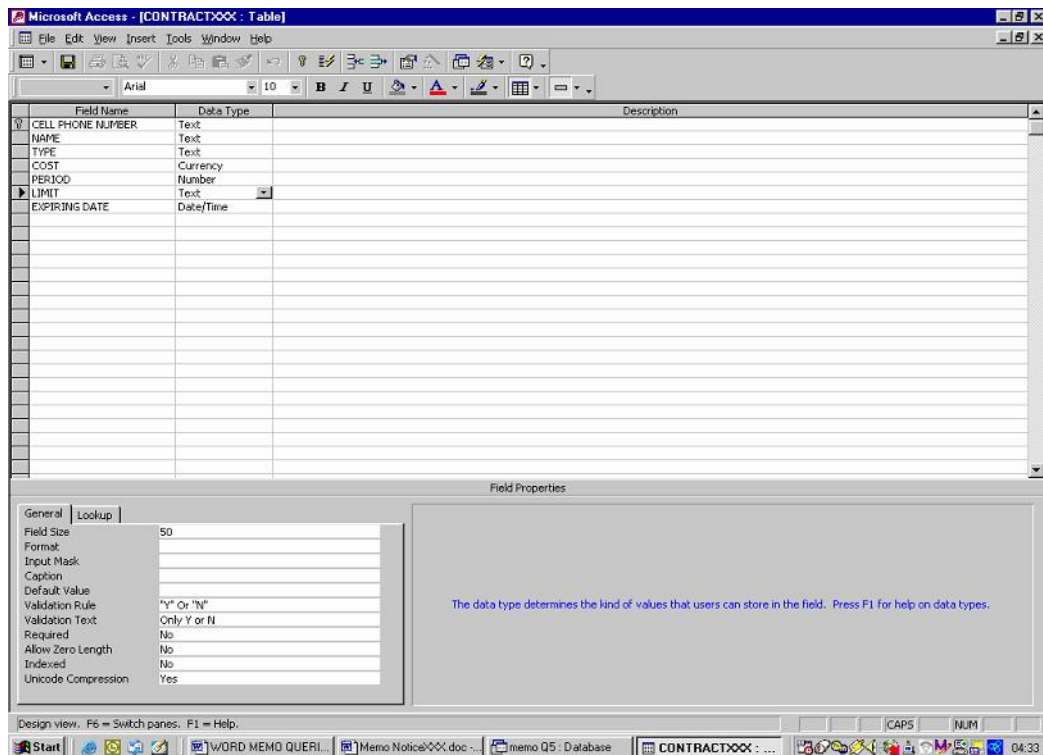
| | | |
|-----------------------|------------------|---|
| A5 | | 1 |
| Block arrow autoshape | | 2 |
| Text box | border | 6 |
| | Name | |
| | Cellphone number | |
| Question | | 1 |
| Me2U | | 2 |
| Border | | 2 |
| Header | | 1 |

[15]

MEMO Question 5.1 - 5.6: TABLE CONTRACTXXX

| CELLPHONE NUMBER | NAME | TYPE | COST | PERIOD | LIMIT | EXPIRY DATE |
|------------------|-------------|------------|----------|--------|-------|-------------|
| 0752223344 | AUCAMP P | Business2U | R 180.00 | 12 Y | | 06/01/14 |
| 0752345678 | JOUBERT F | Chat2U | R 120.00 | 12 Y | | 05/12/24 |
| 0752637389 | MILLER H | Business2U | R 120.00 | 24 Y | | 05/12/01 |
| 0752765432 | IRWIN J | Business2U | R 180.00 | 12 Y | | 05/12/22 |
| 0754777862 | GALANOS G H | Chat2U | R 120.00 | 12 N | | 06/04/01 |
| 0755784376 | DOCKY H L | Business2U | R 180.00 | 24 N | | 05/12/01 |
| 0756543289 | ALBERTS R | Business2U | R 180.00 | 12 N | | 06/02/11 |
| 0757344444 | BOGOPA X | Business2U | R 180.00 | 12 N | | 06/03/01 |
| 0757438881 | YOKO T | Chat2U | R 120.00 | 12 N | | 06/04/01 |
| 0757763342 | SAMONS D | Business2U | R 180.00 | 24 Y | | 06/01/03 |
| 0758754679 | SMITH W | Business2U | R 180.00 | 12 N | | 06/03/01 |
| 0758769375 | MOAGI U | Chat2U | R 120.00 | 12 N | | 06/02/12 |
| 0758844673 | HALL K | Business2U | R 180.00 | 24 Y | | 06/10/25 |

Validation test to field LIMIT (Q 5.4):

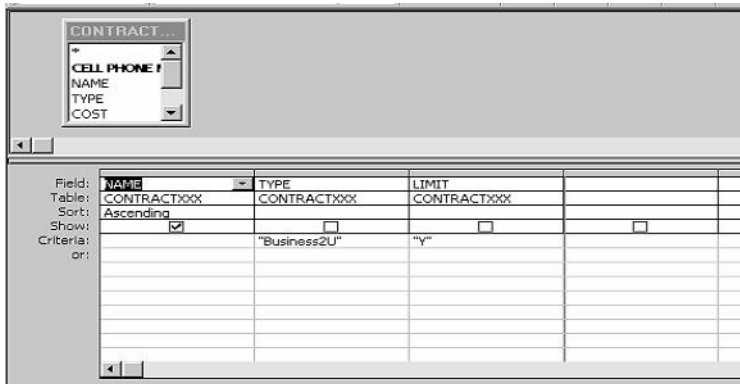


Mark Allocation TABLE CONTRACTXXX

| | |
|----------------------------------|---|
| Rename Table: CONTRACTXXXü | 1 |
| Primary Key: CELLPHONE NUMBERü | 1 |
| COST: Currencyü Rü | 2 |
| LIMIT Y or N üü Text message üü | 4 |
| Change MILLER H to Business 2U ü | 1 |
| Delete: 0754545111 ü | 1 |

(10)

5.7 QUERY BUSXXX



| NAME |
|----------|
| AUCAMP P |
| HALL K |
| IRWIN J |
| MILLER H |
| SAMONS D |

| QUERY BUSXXX | | |
|---|--|---|
| Display NAME field ü | | 1 |
| TYPE = "Business2u"ü AND (same row) ü LIMIT = "Y" ü | | 3 |
| Sort alphabetical NAME field ü | | 1 |

(5)

5.8 REPORT LISTXXX

LIST OF CONTRACTS

| TYPE | CELL PHONE NUMBER | NAME |
|------------|-------------------|-------------|
| Business2U | 0758754679 | SMITH W |
| Business2U | 0758844673 | HALL K |
| Business2U | 0756543289 | ALBERTS R |
| Business2U | 0752765432 | IRWIN J |
| Business2U | 0757344444 | BOGOPAX |
| Business2U | 0752223344 | AUCAMP P |
| Business2U | 0755784376 | DOCKY HL |
| Business2U | 0757763342 | SAMONS D |
| Chat2U | 0757438801 | YOKO T |
| Chat2U | 0754777862 | GALANOS G H |
| Chat2U | 0752637389 | MILLER H |
| Chat2U | 0758769375 | MOAGU U |
| Chat2U | 0752345678 | JOUBERT F |

NUMBER OF PERSONS: 13

LIST OF CONTRACT

| LIST OF CONTRACT | | |
|---|-------------------|------|
| TYPE | CELL PHONE NUMBER | NAME |
| TYPE | CELL PHONE NUMBER | NAME |
| -Now- [EXAMINATION NUMBER] -"Page " & [Page] & " of " & [Pages] | | |
| NUMBER OF PERSONS: [Commit([Name])] | | |

| REPORT LISTXXX | | | |
|---|------------|-------------------------|---|
| Heading: LIST OF CONTRACTSü | Text red ü | Background light blue ü | 3 |
| Fields:TYPEü CELLPHONE NUMBERü NAMEü | | Headings12pt üü | 5 |
| Centre CELLPHONE NUMBER ü | | | 1 |
| Sorted ü according to TYPE ü | | | 2 |
| Number of persons: ü COUNT ü [(NAME)] ü | | | 3 |
| Page Footer: Examination numberü | | | 1 |

(15)

5.9 QUERY CALCULATE and REPORT COSTXXX

| CELL PHONE NUMBER | NAME | PERIOD | TOTAL COST: [COS | TYPE | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|--|
| CONTRACTXXX | CONTRACTXXX | CONTRACTXXX | | CONTRACTXXX | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| | | | | "Business2U" | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

CONTRACT INFORMATION

| CELL PHONE NUMBER | NAME | PERIOD | TOTAL COST |
|-------------------|-----------|--------|------------|
| 0757763342 | SAMONS D | 24 | R 4,320.00 |
| 0755784376 | DOCKY H L | 24 | R 4,320.00 |
| 0752223344 | AUCAMP P | 12 | R 2,160.00 |
| 0757344444 | BOGOP A X | 12 | R 2,160.00 |
| 0752765432 | IRWIN J | 12 | R 2,160.00 |
| 0756543289 | ALBERTS R | 12 | R 2,160.00 |
| 0758844673 | HALL K | 24 | R 4,320.00 |
| 0758754679 | SMITH W | 12 | R 2,160.00 |

Examination number

| QUERY CALCULATE: | |
|---|---|
| Fields: CELLPHONE NUMBER, NAME, COST, PERIOD, TOTAL COST ü | 1 |
| TOTAL COST: ü[COST]ü* [PERIOD] ü | 3 |
| REPORT COSTXXX: | |
| Heading: CONTRACT INFORMATIONü | 1 |
| Fields: CELLPHONE NUMBER, NAME, PERIOD, TOTAL COST -1 per error | 2 |
| Page footer: Examination number | 1 |

(4)

(4)

[38]

QUESTION 6**NOTICEXXX**

examination number

NOTICE OF TARIFF INCREASE

«NAME» «CELL_PHONE_NUMBER»

Date of Increase: 31 December 2005

Call cost per unit: R1.65

Cost of SMS messages: R0.75

| | |
|--|---|
| Type document Ü | 1 |
| Merge (insert) Fields: NAME ÜÜ CELLPHONE NUMBER ÜÜ | 4 |
| Print 2Ü Form letters Ü | 2 |
| Header: Examination number Ü | 1 |
| | |

[8]**TOTAL: 150**