

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

Cambridge International Diploma Advanced Level

MARK SCHEME for the 2004 question paper

CAMBRIDGE INTERNATIONAL DIPLOMA IN ICT

5202 Spreadsheets, maximum mark 100

This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which Examiners were initially instructed to award marks. They do not indicate the details of the discussions that took place at an Examiners' meeting before marking began. Any substantial changes to the mark scheme that arose from these discussions will be recorded in the published *Report on the Examination*.

All Examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes must be read in conjunction with the question papers and the *Report on the Examination*.

- CIE will not enter into discussion or correspondence in connection with these mark schemes.

2004

CAMBRIDGE INTERNATIONAL DIPLOMA
Advanced Level

MARK SCHEME

MAXIMUM MARK: 100

PAPER: 5202/A
ICT (Spreadsheets)

Low Season – Long Bookings

Account	Arrive	Month	Nights	Basic	Season	Discount	Charge
70524	20030520	5	10	85.00	low	17.00	680.00
98754	20030529	5	10	75.00	low	15.00	600.00
42648	20030612	6	9	85.00	low	17.00	612.00
39816	20030605	6	8	85.00	low	17.00	544.00
12112	20030625	6	8	80.00	low	16.00	512.00
90996	20030703	7	10	90.00	low	18.00	720.00
94124	20030705	7	9	85.00	low	17.00	612.00
90244	20030714	7	9	75.00	low	15.00	540.00
17348	20030716	7	8	75.00	low	15.00	480.00
98754	20030727	7	8	50.00	low	10.00	320.00
39816	20030818	8	10	85.00	low	17.00	680.00
98187	20030825	8	10	50.00	low	10.00	400.00
80356	20030822	8	9	90.00	low	18.00	648.00
12112	20030826	8	9	75.00	low	15.00	540.00
62301	20030821	8	8	75.00	low	15.00	480.00
99096	20030829	8	8	50.00	low	10.00	320.00

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Sorted by month (asc) then nights (desc). Only low season shown. Values calculated as shown. Numbers to 2dp as shown

Printout from step 19

Highest Cost Bookings

Account	Month	Season	Discount	Charge
62301	=MID(B5,5,2)*1	=VLOOKUP(C5,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F5="high",High*E5,IF(F5="medium",Med*E5,Low*E5))	=D5*(E5-G5)
62301	=MID(B8,5,2)*1	=VLOOKUP(C8,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F8="high",High*E8,IF(F8="medium",Med*E8,Low*E8))	=D8*(E8-G8)
90244	=MID(B17,5,2)*1	=VLOOKUP(C17,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F17="high",High*E17,IF(F17="medium",Med*E17,Low*E17))	=D17*(E17-G17)
82081	=MID(B23,5,2)*1	=VLOOKUP(C23,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F23="high",High*E23,IF(F23="medium",Med*E23,Low*E23))	=D23*(E23-G23)
90996	=MID(B43,5,2)*1	=VLOOKUP(C43,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F43="high",High*E43,IF(F43="medium",Med*E43,Low*E43))	=D43*(E43-G43)
12112	=MID(B80,5,2)*1	=VLOOKUP(C80,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F80="high",High*E80,IF(F80="medium",Med*E80,Low*E80))	=D80*(E80-G80)
80356	=MID(B97,5,2)*1	=VLOOKUP(C97,assa4rts.CSV!\$A\$2:\$B\$13,2)	=IF(F97="high",High*E97,IF(F97="medium",Med*E97,Low*E97))	=D97*(E97-G97)

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Formulae in Month, Season, Discount and Charge column
(formula in month column can be any formula which would get
the numeric value of the month)
Season formula must refer to assa4rts file
Discount refers to named cells
Charge involves multiplication and subtraction
Check row and column headings are displayed

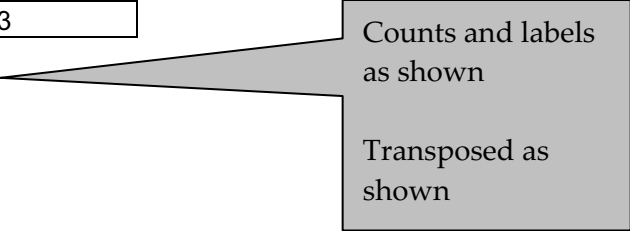
High Season Bookings by Month

High Season Bookings

November	December	January	February
6	7	7	3

High Season Bookings

November	6
December	7
January	7
February	3



Counts and labels
as shown

Transposed as
shown

John Smith Candidate 9999 30 December 2003

2004

CAMBRIDGE INTERNATIONAL DIPLOMA
Advanced Level

MARK SCHEME

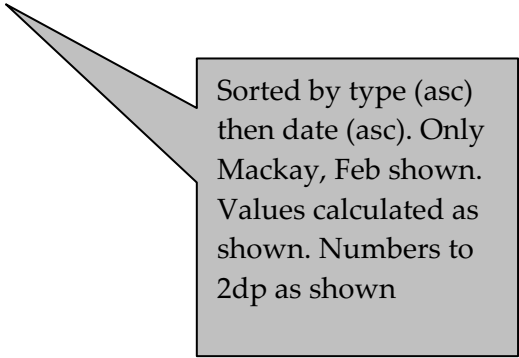
MAXIMUM MARK: 100

PAPER: 5202/B
ICT (Spreadsheets)

February Rentals – Mackay

Car	Type	Depot	Date	Days	Extras	Basic	ExCost	Total
JV48CI	A	Mackay	25-Feb-04	5	NYN	50.00	50.00	300.00
LX16WG	A	Mackay	26-Feb-04	9	YNY	50.00	70.00	520.00
AM85IY	B	Mackay	29-Feb-04	6	YNY	60.00	70.00	430.00
NO62UI	G	Mackay	24-Feb-04	10	YNN	125.00	25.00	1275.00
YJ94RG	H	Mackay	16-Feb-04	8	YNY	130.00	70.00	1110.00

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Sorted by type (asc)
then date (asc). Only
Mackay, Feb shown.
Values calculated as
shown. Numbers to
2dp as shown

Valeted Cars - Bundaberg

Car	Basic	ExCost	Total
VM58IN	=VLOOKUP(B16,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F16,1)="Y",Driver,0)+IF(MID(F16,2,1)="Y",Return,0)+IF(RIGHT(F16,1)="Y",Valet,0)	=G16*E16+H16
NF42YL	=VLOOKUP(B34,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F34,1)="Y",Driver,0)+IF(MID(F34,2,1)="Y",Return,0)+IF(RIGHT(F34,1)="Y",Valet,0)	=G34*E34+H34
LN58QX	=VLOOKUP(B54,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F54,1)="Y",Driver,0)+IF(MID(F54,2,1)="Y",Return,0)+IF(RIGHT(F54,1)="Y",Valet,0)	=G54*E54+H54
PG70HX	=VLOOKUP(B90,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F90,1)="Y",Driver,0)+IF(MID(F90,2,1)="Y",Return,0)+IF(RIGHT(F90,1)="Y",Valet,0)	=G90*E90+H90
GG33JA	=VLOOKUP(B92,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F92,1)="Y",Driver,0)+IF(MID(F92,2,1)="Y",Return,0)+IF(RIGHT(F92,1)="Y",Valet,0)	=G92*E92+H92
VZ81RL	=VLOOKUP(B95,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F95,1)="Y",Driver,0)+IF(MID(F95,2,1)="Y",Return,0)+IF(RIGHT(F95,1)="Y",Valet,0)	=G95*E95+H95
WL79QQ	=VLOOKUP(B98,assb4chg.csv!\$A\$2:\$B\$9,2)	=IF(LEFT(F98,1)="Y",Driver,0)+IF(MID(F98,2,1)="Y",Return,0)+IF(RIGHT(F98,1)="Y",Valet,0)	=G98*E98+H98

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Formulae in Basic, ExCost, Total columns
 Basic formula must refer to assa4chg file
 ExCost refers to named cells
 Total involves multiplication and addition

Rental >300 by Depot

Rental Cost>300

Townsville	Mackay	Rockhampton	Bundaberg
21	18	22	18

Townsville	21
Mackay	18
Rockhampton	22
Bundaberg	18

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