
APPLIED INFORMATION & COMMUNICATION TECHNOLOGY

9713/02

Paper 2 Practical Test A

May/June 2017

MARK SCHEME

Maximum Mark: 120

Published

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This document consists of **20** printed pages.

Evidence Document

Evidence document	
Header – name and numbers	1 mark

Q2

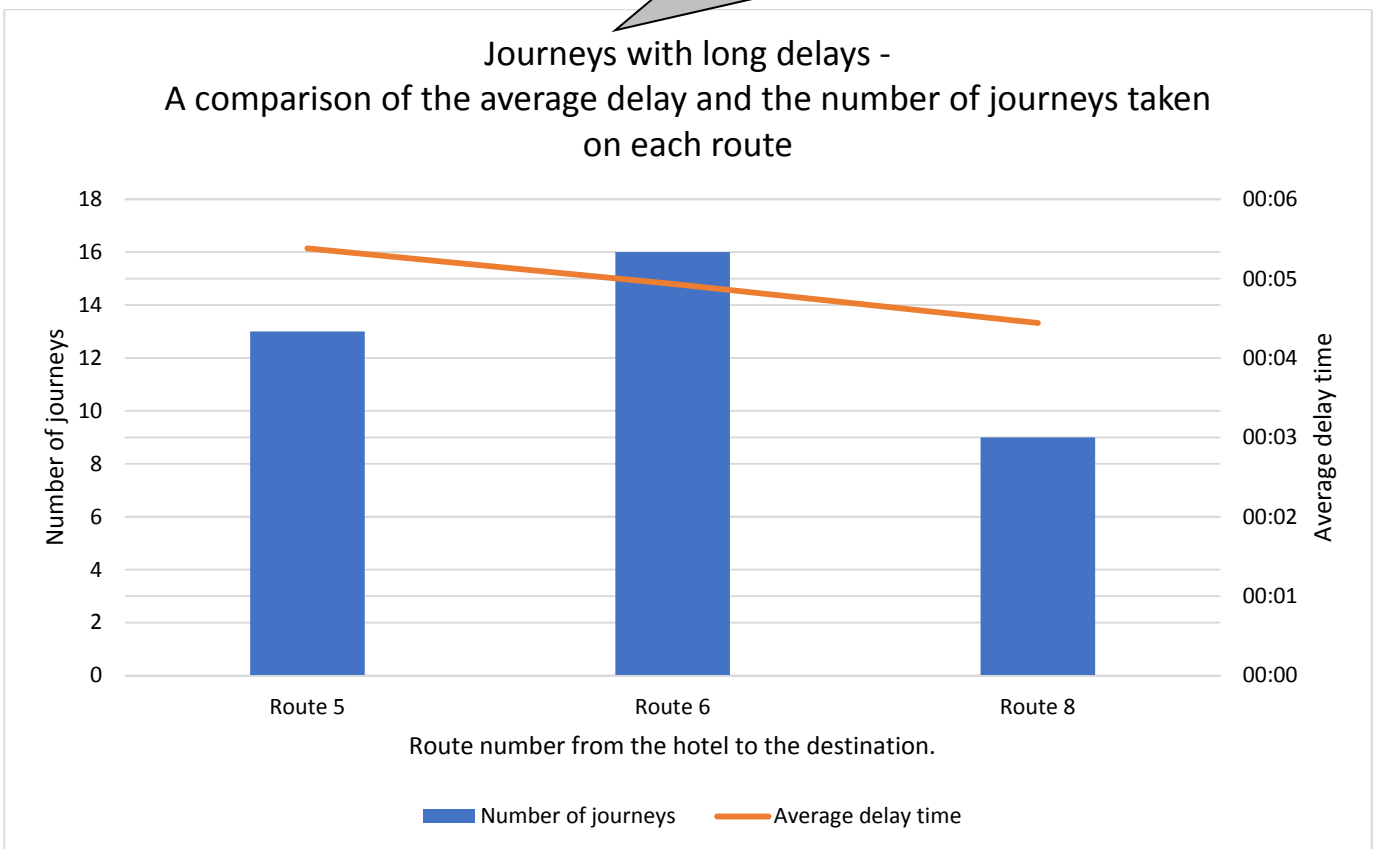
Formatting	
5 rows inserted	1 mark
Row 1	
Cells A1-H1 Merged	1 mark
Cansaulim Beach Hotel 100% in sans serif font	1 mark
White with black background	1 mark
Row 2	
Grey background, sans serif & text 100% & centre aligned	1 mark
Row 3	
Correct text bold	1 mark
4 pairs merged and centre aligned	1 mark
Gridlines on rows 3 and 4	1 mark
Row 5	
<=½ height of row 6	1 mark
Row 6	
Bold, left aligned text	1 mark

	A	B	C	D	E	G	H	
1	Cansaulim Beach Hotel							
2	Mini-bus services - delay analysis							
3	Average delay	Longest delay	Number of delays	Number of long delays				
4								
6	Bus Code	Due	Arrived	Late	Minutes	Bus Route	Capacity	Destination

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Q21

Chart	
Search - Average delay > 4	2 marks
Correct count values 13, 16, 9	2 marks
Correct average values 5.4, 4.9, 4.4	2 marks
Chart type	2 marks
Category Axis	
Route no. or Destination names in full	1 mark
Meaningful and appropriate axis label	1 mark
Value Axes	
2 shown	1 mark
Appropriate axis labels (1 mark / label)	2 marks
Average delay axis recalibrated to full minutes	2 marks
Chart title – Meaningful and appropriate	1 mark
Chart title – of appropriate size	1 mark
Series labels – both correct & appropriate	2 marks



Q25

Data validation
 Decimal value selected 1 mark
 Between ≥ 0.005 1 mark
 0.005 AND 1 mark
 0.05 ≤ 0.05 1 mark

Data Validation

Settings Input Message Error Alert

Validation criteria

Allow:
 Decimal Ignore blank

Data:
 between

Minimum:
 0.005

Maximum:
 0.05

Apply these changes to all other cells with the same settings

Clear All OK Cancel

Data validation
 Appropriate input message shown 1 mark

Data Validation

Settings Input Message Error Alert

Show input message when cell is selected

When cell is selected, show this input message:

Title:

Input message:
 Please enter the cost per seat per minute late in this cell.

Clear All OK Cancel

Data Validation


Settings Input Message **Error Alert**

Show error alert after invalid data is entered

When user enters invalid data, show this error alert:

Style: Stop Title: Invalid data entry

Error message: Please enter a new value between 0.005 and 0.05 in this cell.



Clear All OK Cancel

Data validation

Appropriate error message shown	1 mark
Error message includes 0.005 and 0.05	1 mark

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Formulae printed by A Candidate ZZ999 9999

	A	B	C	D	E	F
1	Cansulim B					
2	Mini-bus services					
3	Average delay		Longest delay		Number of delays	
4	=ROUND(AVERAGEIF(E7:E132,">0"),0)		=MAX(E7:E132)		=COUNTIF(E7:E132,">0")	
6	Bus Code	Duration	Arrived	Late	Minutes	Bus Route
7	2610A1961G	0.456666667	0.494444444	=IF(B7>C7,0,C7-B7)	=MINUTE(D7)	=MID(A7,9,1)
8	2610A1931G	0.403333333	0.403333333	=IF(B8>C8,0,C8-B8)	=MINUTE(D8)	=MID(A8,9,1)
9	2610A1931G	0.403333333	0.403333333	=IF(B9>C9,0,C9-B9)	=MINUTE(D9)	=MID(A9,9,1)
10	2610A1931G	0.403333333	0.403333333	=IF(B10>C10,0,C10-B10)	=MINUTE(D10)	=MID(A10,9,1)
11	2610A1931G	0.403333333	0.403333333	=IF(B11>C11,0,C11-B11)	=MINUTE(D11)	=MID(A11,9,1)
12	2610A1931G	0.403333333	0.403333333	=IF(B12>C12,0,C12-B12)	=MINUTE(D12)	=MID(A12,9,1)
13	2610A1351V	0.477083333	0.477083333	=IF(B13>C13,0,C13-B13)	=MINUTE(D13)	=MID(A13,9,1)
14	2610A1141V	0.382638888	0.382638888	=IF(B14>C14,0,C14-B14)	=MINUTE(D14)	=MID(A14,9,1)
15	2610A1641V	0.509722222	0.509722222	=IF(B15>C15,0,C15-B15)	=MINUTE(D15)	=MID(A15,9,1)
16	2620T1162K	0.460416666	0.465277777	=IF(B16>C16,0,C16-B16)	=MINUTE(D16)	=MID(A16,9,1)
17	2620T1912K	0.485416666	0.490277777	=IF(B17>C17,0,C17-B17)	=MINUTE(D17)	=MID(A17,9,1)
18	2620T1272G	0.479861111	0.484027777	=IF(B18>C18,0,C18-B18)	=MINUTE(D18)	=MID(A18,9,1)
19	2620T1472V	0.493055555	0.497222222	=IF(B19>C19,0,C19-B19)	=MINUTE(D19)	=MID(A19,9,1)
20	2620T1342K	0.493055555	0.496527777	=IF(B20>C20,0,C20-B20)	=MINUTE(D20)	=MID(A20,9,1)

Average delay
 =ROUND(... ,0) 1 mark
 AVERAGEIF () 1 mark
 E7:E132 1 mark
 ">0" must be in speech marks 1 mark

Longest
 =MAX () 1 mark
 E7:E132 1 mark

Count
 =COUNTIF() 1 mark
 E7:E132 1 mark
 ">0" 1 mark

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Formulae printed by A Candidate ZZ999 9999

	G	H
1	each Hotel	
2	delay analysis	
3	Number of long delays	
4	=COUNTIF(E7:E132,">=4")	
6	Capacity	Long delays
7	=VLOOKUP(F7*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=COUNTIF(E7:E132,">=4")
8	=VLOOKUP(F8*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	1 mark
9	=VLOOKUP(F9*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A8,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
10	=VLOOKUP(F10*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A9,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
11	=VLOOKUP(F11*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A10,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
12	=VLOOKUP(F12*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A11,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
13	=VLOOKUP(F13*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A12,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
14	=VLOOKUP(F14*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A13,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
15	=VLOOKUP(F15*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A14,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
16	=VLOOKUP(F16*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A15,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
17	=VLOOKUP(F17*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A16,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
18	=VLOOKUP(F18*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A17,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
19	=VLOOKUP(F19*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A18,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
20	=VLOOKUP(F20*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A19,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
		=VLOOKUP(MID(A20,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)

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Formulae printed by A Candidate ZZ999 9999

	A	B	C	D	E	F
1	Cansulim B					
2	Mini-bus services					
3	Average delay		Longest delay		Number of delays	
4	=ROUND(AVERAGEIF(E7:E132,">0"),0)		=MAX(E7:E132)		=COUNTIF(E7:E132,">0")	
6	Bus Code	Due	Arrived	Late	Minutes	Bus Route
7	2610A1961G	0.491666666666667	0.494444444444444	=IF(B7>C7,0,C7-B7)	=MINUTE(D7)	=MID(A7,9,1)
8	2610A1821G	0.402083333333333	0.404861111111111	=IF(B8>C8,0,C8-B8)	=MINUTE(D8)	=MID(A8,9,1)
9	2610A1251V	0.403472222222222	0.405555555555556	=IF(B9>C9,0,C9-B9)	=MINUTE(D9)	=MID(A9,9,1)
10	2610A1551G	0.503472222222222	0.504861111111111	=IF(B10>C10,0,C10-B10)	=MINUTE(D10)	=MID(A10,9,1)
11	2610A1861V			=IF(B11>C11,0,C11-B11)	=MINUTE(D11)	=MID(A11,9,1)
12	2610A1021G	Late		Minutes		
13	2610A1351V	= IF ()	1 mark	=MINUTE ()	1 mark	
14	2610A1141V	B7>C7	1 mark	D7	1 mark	
15	2610A1641V	,0	1 mark			
15	2610A1641V	C7-B7	1 mark	=IF(B15>C15,0,C15-B15)	=MINUTE(D15)	=MID(A15,9,1)
16	2620T1162K	0.460416666666667	0.465277777777778	=IF(B16>C16,0,C16-B16)	Bus Route	
17	2620T1912K	0.485416666666667	0.490277777777778	=IF(B17>C17,0,C17-B17)	MID ()	1 mark
18	2620T1272G	0.479861111111111	0.484027777777778	=IF(B18>C18,0,C18-B18)	A7	1 mark
19	2620T1472V	0.493055555555556	0.497222222222222	=IF(B19>C19,0,C19-B19)	,9	1 mark
20	2620T1342K	0.493055555555556	0.496527777777778	=IF(B20>C20,0,C20-B20)	,1	1 mark
20	2620T1342K				=MINUTE(D20)	=MID(A20,9,1)

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Formulae printed by A Candidate ZZ999 9999

	G	H
1	each Hotel	
2	delay analysis	
3	Number of long delays	
4	=COUNTIF(E7:E132,">=4")	
6	Capacity	Destination
7	=VLOOKUP(F7*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A7,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
8	=VLOOKUP(F8*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A8,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
9	=VLOOKUP(F9*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A9,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
10	=VLOOKUP(F10*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A10,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
11	=VLOOKUP(F11*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A11,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
12	=VLOOKUP(F12*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A12,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
13	=VLOOKUP(F13*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A13,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
14	=VLOOKUP(F14*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A14,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
15	=VLOOKUP(F15*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A15,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
16	=VLOOKUP(F16*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A16,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
17	=VLOOKUP(F17*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A17,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
18	=VLOOKUP(F18*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A18,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
19	=VLOOKUP(F19*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A19,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)
20	=VLOOKUP(F20*1,j17seats.csv!\$A\$2:\$B\$10,2,FALSE)	=VLOOKUP(MID(A20,5,1),j17destination.csv!\$A\$1:\$B\$7,2,0)

Capacity

=VLOOKUP() 1 mark

F7*1 (or other function to turn into a number) 1 mark

,SEATS.csv (must be this file with csv extension) 1 mark

!\$A\$2:\$B\$10 1 mark

,2 1 mark

,FALSE or ,0 1 mark

Destination

=VLOOKUP() 1 mark

MID(A7,5,1) 1 mark

,destination.csv 1 mark

!\$A\$1:\$B\$7 1 mark

,2 1 mark

,FALSE or ,0 1 mark

Correct replication – all 5 columns 1 mark

All formulae and labels fully visible 1 mark

Landscape orientation 1 mark

Row and column headings visible 1 mark

Print area set A1 – I20 (extra column) 1 mark

Header

Formulae printed by: & candidate details 1 mark

Lunchtime journeys - printed by A Candidate ZZ999 9999

	A	B	C	D	E	F	G	
1	Cansaulim Beach Hotel							
2	Mini-bus services - delay analysis							
3	Average delay		Longest delay		Number of delays		Number	
4	5		25		95			
6	Bus Code	Due	Arrived	Late	Minutes	Bus Route	Capacity	Dest
10	2610A1551G	12:05	12:07	00:02	2	1	15	Airp
15	2610A1641V	12:14	12:14	00:00	0	1	15	Airp
55	2630M1443V	12:23	12:23	00:00	0	3	15	Shop
58	2630M1953G	12:27	12:27	00:00	0	3	15	Shop
66	2640C1744G	12:11	12:11	00:00	0	4	18	Chile
73	2650T1655K	12:01	12:05	00:04	4	5	32	Elephant sanctuary
76	2650T1155K	12:04	12:06	00:02	2	5	32	Elephant sanctuary
91	2660D1896G	12:29	12:32	00:03	3	6	16	Cansaulim village centre
101	2670S1497G	12:30	12:36	00:06	6	7	53	Spice farm
103	2670S1637G	12:00	12:05	00:05	5	7	53	Spice farm
107	2670S1007K	12:11	12:12	00:01	1	7	53	Spice farm
113	2670S2097K	12:19	12:19	00:00	0	7	53	Spice farm
117	2680A7168K	12:03	12:09	00:06	6	8	12	Airport

Header

Lunchtime journeys – printed by: and cand. details 1 mark

Formatting

Row 4 – integer 1 mark

Other rows consistent formatting 1 mark

Sorting

Ascending on Bus route then descending on Minutes

1 mark

Searching – 13 records

Due >=12:00 1 mark

and <=12:30 1 mark

Single page

1 mark

All visible

1 mark

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Long delays by route – printed by: A Candidate ZZ999 9999

Number of buses with a long delay								
Route 1	Route 2	Route 3	Route 4	Route 5	Route 6	Route 7	Route 8	Route 9
2	10	7	2	6	8	7	5	3

Header
 Long delays by route – printed by: and cand. details 1 mark

Values
 Values as shown: –1 per error or omission 3 marks
 Single page and fully visible 1 mark

Long delays by route – printed by: A Candidate ZZ999 9999

	A
1	
2	Route 1
3	=COUNTIFS(BUSI!\$E\$7:\$E\$132,">3",BUSI!\$F\$7:\$F\$132,RIGHT(Extract!A2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

	B
1	
2	Route 2
3	=COUNTIFS(BUSI!\$E\$7:\$E\$132,">3",BUSI!\$F\$7:\$F\$132,RIGHT(Extract!B2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

	C
1	
2	Route 3
3	=COUNTIFS(BUSI!\$E\$7:\$E\$132,">3",BUSI!\$F\$7:\$F\$132,RIGHT(Extract!C2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

	D
1	
2	Route 4
3	=COUNTIFS(BUSI!\$E\$7:\$E\$132,">3",BUSI!\$F\$7:\$F\$132,RIGHT(Extract!D2,1))

Formulae	
=COUNTIFS(...)	2 marks
Reference to second worksheet	1 mark
!\$E\$7:\$E\$132	1 mark
Absolute referencing	1 mark
,">3" or ,">=4"	1 mark
, Reference to second worksheet	1 mark
!\$F\$7:\$F\$132	1 mark
,RIGHT() or MID()	1 mark
Relative reference to cell above (probably A2)	1 mark
,1 or ,7,1	1 mark
Landscape with all formulae and labels fully visible	1 mark
Row and column headings visible	1 mark

Long delays by route – printed by: A Candidate ZZ999 9999

E	
1	Number of buses with a long delay
2	Route 5
3	=COUNTIFS(BUSI\$E\$7:\$E\$132,">3",BUSI\$F\$7:\$F\$132,RIGHT(Extract!E2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

F	
1	
2	Route 6
3	=COUNTIFS(BUSI\$E\$7:\$E\$132,">3",BUSI\$F\$7:\$F\$132,RIGHT(Extract!F2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

G	
1	
2	Route 7
3	=COUNTIFS(BUSI\$E\$7:\$E\$132,">3",BUSI\$F\$7:\$F\$132,RIGHT(Extract!G2,1))

Long delays by route – printed by: A Candidate ZZ999 9999

H	
1	
2	Route 8
3	=COUNTIFS(BUSI\$E\$7:\$E\$132,">3",BUSI\$F\$7:\$F\$132,RIGHT(Extract!H2,1))

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Long delays by route – printed by: A Candidate ZZ999 9999

	I
1	
2	Route 9
3	=COUNTIFS(BUS!\$E\$7:\$E\$132,">3",BUS!\$F\$7:\$F\$132,RIGHT(Extract!I2,1))

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	A	B	C	D	E
1					
2					
3	Cost per minute per seat:	0.0213			
4					
5	=destination.csv!B1	=SUMIF(\$H\$16:\$H\$141,A5,\$I\$16:\$I\$141)			
6	=destination.csv!B2	=SUMIF(\$H\$16:\$H\$141,A6,\$I\$16:\$I\$141)			
7	=destination.csv!B3	=SUMIF(\$H\$16:\$H\$141,A7,\$I\$16:\$I\$141)			
8	=destination.csv!B4	=SUMIF(\$H\$16:\$H\$141,A8,\$I\$16:\$I\$141)			
9	=destination.csv!B5	=SUMIF(\$H\$16:\$H\$141,A9,\$I\$16:\$I\$141)			
10	=destination.csv!B6	=SUMIF(\$H\$16:\$H\$141,A10,\$I\$16:\$I\$141)			
11	=destination.csv!B7	=SUMIF(\$H\$16:\$H\$141,A11,\$I\$16:\$I\$141)			
12					
13	Total cost of the delays.	=SUM(B5:B11)			
14					
15	Bus Code	Due	Arrived	Late	Minutes
16	2610A1961G	0.491666666666667	0.494444444444444	=IF(B16>C16,0,C16-B16)	=MINUTE(D16)
17	2610A1821G	0.402083333333333	0.404861111111111	=IF(B17>C17,0,C17-B17)	=MINUTE(D17)
18	2610A1251V	0.403472222222222	0.405555555555556	=IF(B18>C18,0,C18-B18)	=MINUTE(D18)
19	2610A1551G	0.503472222222222	0.504861111111111	=IF(B19>C19,0,C19-B19)	=MINUTE(D19)
20	2610A1861V	0.418055555555556	0.419444444444444	=IF(B20>C20,0,C20-B20)	=MINUTE(D20)
21	2610A1021G	0.413888888888889	0.414583333333333	=IF(B21>C21,0,C21-B21)	=MINUTE(D21)
22	2610A1351V	0.477083333333333	0.477083333333333	=IF(B22>C22,0,C22-B22)	=MINUTE(D22)
23	2610A1141V	0.382638888888889	0.382638888888889	=IF(B23>C23,0,C23-B23)	=MINUTE(D23)
24	2610A1641V	0.509722222222222	0.509722222222222	=IF(B24>C24,0,C24-B24)	=MINUTE(D24)
25	2620T1162K	0.460416666666667	0.465277777777778	=IF(B25>C25,0,C25-B25)	=MINUTE(D25)

Destination
 List of destinations (not routes) visible 1 mark
 =SUMIF(...) 1 mark
 \$H\$16:\$H\$141 1 mark
 ,A5 1 mark
 ,\$I\$16:\$I\$141 1 mark

Formulae
 Printout fully visible with row and column headings 1 mark

PUBLISHED

A Candidate Z999 9999

	F	G
1	Costs incurred from late buses	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15	Bus route	Capacity
16	=MID(A16,9,1)	=VLOOKUP(F16*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
17	=MID(A17,9,1)	=VLOOKUP(F17*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
18	=MID(A18,9,1)	=VLOOKUP(F18*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
19	=MID(A19,9,1)	=VLOOKUP(F19*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
20	=MID(A20,9,1)	=VLOOKUP(F20*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
21	=MID(A21,9,1)	=VLOOKUP(F21*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
22	=MID(A22,9,1)	=VLOOKUP(F22*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
23	=MID(A23,9,1)	=VLOOKUP(F23*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
24	=MID(A24,9,1)	=VLOOKUP(F24*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)
25	=MID(A25,9,1)	=VLOOKUP(F25*1,'D:\CIE\9713\2017\2017_New_June_9713_02\worked\[SEATS.csv]SEATS'!\$A\$2:\$B\$10,2,FALSE)

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15	Destination	Cost of delay
16	=VLOOKUP(MID(A16,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C16<B16,MINUTE(B16-C16),-1*MINUTE(C16-B16))*G16*\$B\$3
17	=VLOOKUP(MID(A17,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C17<B17,MINUTE(B17-C17),-1*MINUTE(C17-B17))*G17*\$B\$3
18	=VLOOKUP(MID(A18,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C18<B18,MINUTE(B18-C18),-1*MINUTE(C18-B18))*G18*\$B\$3
19	=VLOOKUP(MID(A19,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C19<B19,MINUTE(B19-C19),-1*MINUTE(C19-B19))*G19*\$B\$3
20	=VLOOKUP(MID(A20,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C20<B20,MINUTE(B20-C20),-1*MINUTE(C20-B20))*G20*\$B\$3
21	=VLOOKUP(MID(A21,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C21<B21,MINUTE(B21-C21),-1*MINUTE(C21-B21))*G21*\$B\$3
22	=VLOOKUP(MID(A22,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C22<B22,MINUTE(B22-C22),-1*MINUTE(C22-B22))*G22*\$B\$3
23	=VLOOKUP(MID(A23,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C23<B23,MINUTE(B23-C23),-1*MINUTE(C23-B23))*G23*\$B\$3
24	=VLOOKUP(MID(A24,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C24<B24,MINUTE(B24-C24),-1*MINUTE(C24-B24))*G24*\$B\$3
25	=VLOOKUP(MID(A25,5,1),destination.csv!\$A\$1:\$B\$7,2,0)	=IF(C25<B25,MINUTE(B25-C25),-1*MINUTE(C25-B25))*G25*\$B\$3

Journey

New column for cost of delay 1 mark

=IF() 1 mark

C16<B16, 1 mark

MINUTE(B16-C16) 1 mark

,-1* 1 mark

MINUTE(C16-B16) 1 mark

*G16 reference to Capacity 1 mark

*B3 reference to cost per minute per seat 1 mark

As an absolute reference 1 mark

Values

Appropriate title and formatting	1 mark
Place for cost per seat per minute identified	1 mark
Values printout, all data fully visible	1 mark
Single page wide, no row and column headings	1 mark

Costs incurred from late buses								
Cost per minute per seat:	₹ 0.02							
Airport	-₹ 14.82							
Chile market	-₹ 7.28							
Cansuaim village centre	-₹ 26.92							
Shopping mall	-₹ 18.85							
Spice farm	-₹ 69.99							
Elephant sanctuary	-₹ 69.52							
Waterwise - river trip	-₹ 33.74							
Total cost of the delays.	-₹ 241.14							
Bus Code	Due	Arrived	Late	Minutes	Bus route	Capacity	Destination	Cost of delay
2610A1961G	11:48	11:52	00:04	4	1	15	Airport	-₹ 1.28
2610A1821G	09:39	09:43	00:04	4	1	15	Airport	-₹ 1.28
2610A1251V	09:41	09:44	00:03	3	1	15	Airport	-₹ 0.96
2610A1551G	12:05	12:07	00:02	2	1	15	Airport	-₹ 0.64
2610A1861V	10:02	10:04	00:02	2	1	15	Airport	-₹ 0.64
2610A1021G	09:56	09:57	00:01	1	1	15	Airport	-₹ 0.32
2610A1351V	11:27	11:27	00:00	0	1	15	Airport	₹ 0.00
2610A1141V	09:11	09:11	00:00	0	1	15	Airport	₹ 0.00
2610A1641V	12:14	12:14	00:00	0	1	15	Airport	₹ 0.00
2620T1162K	11:03	11:10	00:07	7	2	16	Elephant sanctuary	-₹ 2.39
2620T1912K	11:39	11:46	00:07	7	2	16	Elephant sanctuary	-₹ 2.39
2620T1272G	11:31	11:37	00:06	6	2	16	Elephant sanctuary	-₹ 2.04
2620T1472V	11:50	11:56	00:06	6	2	16	Elephant sanctuary	-₹ 2.04
2620T1342K	11:50	11:55	00:05	5	2	16	Elephant sanctuary	-₹ 1.70
2620T1332V	11:11	11:16	00:05	5	2	16	Elephant sanctuary	-₹ 1.70
2620T2062K	11:29	11:33	00:04	4	2	16	Elephant sanctuary	-₹ 1.36
2620T1802K	11:59	12:03	00:04	4	2	16	Elephant sanctuary	-₹ 1.36
2620T1662G	09:29	09:33	00:04	4	2	16	Elephant sanctuary	-₹ 1.36
2620T1452V	09:50	09:54	00:04	4	2	16	Elephant sanctuary	-₹ 1.36
2620T2002G	11:27	11:30	00:03	3	2	16	Elephant sanctuary	-₹ 1.02
2620T1502G	09:31	09:34	00:03	3	2	16	Elephant sanctuary	-₹ 1.02
2620T1032K	10:02	10:05	00:03	3	2	16	Elephant sanctuary	-₹ 1.02
2620T1092V	10:46	10:48	00:02	2	2	16	Elephant sanctuary	-₹ 0.68
2620T2082V	10:23	10:25	00:02	2	2	16	Elephant sanctuary	-₹ 0.68
2620T1702V	10:50	10:50	00:00	0	2	16	Elephant sanctuary	₹ 0.00
2620T1612G	10:59	10:59	00:00	0	2	16	Elephant sanctuary	₹ 0.00
2620T1382G	11:00	11:00	00:00	0	2	16	Elephant sanctuary	₹ 0.00
2620T1012G	10:59	10:58	00:00	0	2	16	Elephant sanctuary	₹ 0.34
2630M1313G	11:42	11:49	00:07	7	3	15	Shopping mall	-₹ 2.24
2630M2113K	11:34	11:40	00:06	6	3	15	Shopping mall	-₹ 1.92
2630M1873G	12:34	12:40	00:06	6	3	15	Shopping mall	-₹ 1.92
2630M1573K	11:51	11:56	00:05	5	3	15	Shopping mall	-₹ 1.60
2630M2013G	11:32	11:37	00:05	5	3	15	Shopping mall	-₹ 1.60
2630M0963G	09:59	10:03	00:04	4	3	15	Shopping mall	-₹ 1.28
2630M1083K	09:10	09:14	00:04	4	3	15	Shopping mall	-₹ 1.28
2630M1563G	12:52	12:55	00:03	3	3	15	Shopping mall	-₹ 0.96
2630M1363V	09:37	09:40	00:03	3	3	15	Shopping mall	-₹ 0.96
2630M1793G	11:19	11:22	00:03	3	3	15	Shopping mall	-₹ 0.96
2630M1203V	10:45	10:48	00:03	3	3	15	Shopping mall	-₹ 0.96
2630M1843K	12:41	12:43	00:02	2	3	15	Shopping mall	-₹ 0.64
2630M1543G	10:48	10:50	00:02	2	3	15	Shopping mall	-₹ 0.64
2630M1053V	10:43	10:45	00:02	2	3	15	Shopping mall	-₹ 0.64
2630M1713K	10:41	10:42	00:01	1	3	15	Shopping mall	-₹ 0.32
2630M1723V	12:42	12:43	00:01	1	3	15	Shopping mall	-₹ 0.32
2630M0973G	11:23	11:24	00:01	1	3	15	Shopping mall	-₹ 0.32
2630M1223V	09:50	09:51	00:01	1	3	15	Shopping mall	-₹ 0.32
2630M1513V	10:22	10:23	00:01	1	3	15	Shopping mall	-₹ 0.32
2630M1673V	12:58	12:58	00:00	0	3	15	Shopping mall	₹ 0.00
2630M1243G	10:41	10:40	00:00	0	3	15	Shopping mall	₹ 0.32
2630M1953G	12:27	12:27	00:00	0	3	15	Shopping mall	₹ 0.00
2630M1883K	12:41	12:41	00:00	0	3	15	Shopping mall	₹ 0.00
2630M1443V	12:23	12:23	00:00	0	3	15	Shopping mall	₹ 0.00
2640C1114K	10:38	10:45	00:07	7	4	18	Chile market	-₹ 2.68
2640C1174K	11:14	11:20	00:06	6	4	18	Chile market	-₹ 2.30

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2640C1404G	09:40	09:43	00:03	3 4	18	Chile market	₹ 1.15
2640C1294V	10:14	10:17	00:03	3 4	18	Chile market	₹ 1.15
2640C1814V	10:39	10:40	00:01	1 4	18	Chile market	₹ 0.38
2640C1744G	12:11	12:11	00:00	0 4	18	Chile market	₹ 0.00
2640C2024G	09:35	09:35	00:00	0 4	18	Chile market	₹ 0.00
2640C1924K	09:46	09:45	00:00	0 4	18	Chile market	₹ 0.38
2640C1484V	10:14	10:14	00:00	0 4	18	Chile market	₹ 0.00
2640C1624K	09:00	09:00	00:00	0 4	18	Chile market	₹ 0.00
2650T1325G	12:50	13:15	00:25	25 5	32	Elephant sanctuary	₹ 17.04
2650T1045V	11:37	11:48	00:11	11 5	32	Elephant sanctuary	₹ 7.50
2650T1435K	11:05	11:15	00:10	10 5	32	Elephant sanctuary	₹ 6.82
2650T1695G	12:32	12:38	00:06	6 5	32	Elephant sanctuary	₹ 4.09
2650T1655K	12:01	12:05	00:04	4 5	32	Elephant sanctuary	₹ 2.73
2650T1975K	10:32	10:36	00:04	4 5	32	Elephant sanctuary	₹ 2.73
2650T1785V	10:24	10:27	00:03	3 5	32	Elephant sanctuary	₹ 2.04
2650T2055V	12:39	12:41	00:02	2 5	32	Elephant sanctuary	₹ 1.36
2650T1155K	12:04	12:06	00:02	2 5	32	Elephant sanctuary	₹ 1.36
2650T2105G	10:01	10:02	00:01	1 5	32	Elephant sanctuary	₹ 0.68
2650T1945V	10:32	10:33	00:01	1 5	32	Elephant sanctuary	₹ 0.68
2650T1235K	09:14	09:15	00:01	1 5	32	Elephant sanctuary	₹ 0.68
2650T1535V	09:28	09:28	00:00	0 5	32	Elephant sanctuary	₹ 0.00
2660D0956K	12:33	12:52	00:19	19 6	16	Cansuallim village centre	₹ 6.48
2660D1586G	11:04	11:13	00:09	9 6	16	Cansuallim village centre	₹ 3.07
2660D1216G	11:11	11:19	00:08	8 6	16	Cansuallim village centre	₹ 2.73
2660D1686V	11:01	11:08	00:07	7 6	16	Cansuallim village centre	₹ 2.39
2660D1066V	12:34	12:40	00:06	6 6	16	Cansuallim village centre	₹ 2.04
2660D1136K	11:41	11:46	00:05	5 6	16	Cansuallim village centre	₹ 1.70
2660D1856G	12:31	12:36	00:05	5 6	16	Cansuallim village centre	₹ 1.70
2660D1376K	11:30	11:35	00:05	5 6	16	Cansuallim village centre	₹ 1.70
2660D1526K	10:32	10:35	00:03	3 6	16	Cansuallim village centre	₹ 1.02
2660D1986G	09:54	09:57	00:03	3 6	16	Cansuallim village centre	₹ 1.02
2660D1896G	12:29	12:32	00:03	3 6	16	Cansuallim village centre	₹ 1.02
2660D0996V	10:50	10:52	00:02	2 6	16	Cansuallim village centre	₹ 0.68
2660D2036V	10:35	10:37	00:02	2 6	16	Cansuallim village centre	₹ 0.68
2660D1266G	12:59	13:00	00:01	1 6	16	Cansuallim village centre	₹ 0.34
2660D1766K	10:53	10:54	00:01	1 6	16	Cansuallim village centre	₹ 0.34
2660D1416G	10:29	10:29	00:00	0 6	16	Cansuallim village centre	₹ 0.00
2670S1777K	09:33	09:52	00:19	19 7	53	Spice farm	₹ 21.45
2670S1127G	09:21	09:30	00:09	9 7	53	Spice farm	₹ 10.16
2670S1937K	11:32	11:40	00:08	8 7	53	Spice farm	₹ 9.03
2670S1497G	12:30	12:36	00:06	6 7	53	Spice farm	₹ 6.77
2670S2047V	11:11	11:17	00:06	6 7	53	Spice farm	₹ 6.77
2670S1637G	12:00	12:05	00:05	5 7	53	Spice farm	₹ 5.64
2670S1287V	11:41	11:45	00:04	4 7	53	Spice farm	₹ 4.52
2670S1197V	12:53	12:55	00:02	2 7	53	Spice farm	₹ 2.26
2670S1597K	10:04	10:06	00:02	2 7	53	Spice farm	₹ 2.26
2670S1007K	12:11	12:12	00:01	1 7	53	Spice farm	₹ 1.13
2670S1307K	10:27	10:28	00:01	1 7	53	Spice farm	₹ 1.13
2670S1837G	09:34	09:34	00:00	0 7	53	Spice farm	₹ 0.00
2670S2097K	12:19	12:19	00:00	0 7	53	Spice farm	₹ 0.00
2670S1907V	09:15	09:15	00:00	0 7	53	Spice farm	₹ 0.00
2670S0987V	09:05	09:05	00:00	0 7	53	Spice farm	₹ 0.00
2670S1427G	10:11	10:10	00:00	0 7	53	Spice farm	₹ 1.13
2680A8798G	12:39	12:48	00:09	9 8	12	Airport	₹ 2.30
2680A8148G	10:06	10:14	00:08	8 8	12	Airport	₹ 2.04
2680A9058V	11:41	11:48	00:07	7 8	12	Airport	₹ 1.79
2680A7338K	12:33	12:39	00:06	6 8	12	Airport	₹ 1.53
2680A7168K	12:03	12:09	00:06	6 8	12	Airport	₹ 1.53
2680A3938K	10:50	10:53	00:03	3 8	12	Airport	₹ 0.77
2680A1038K	10:32	10:33	00:01	1 8	12	Airport	₹ 0.26
2680A7568V	12:42	12:40	00:00	0 8	12	Airport	₹ 0.51
2680A8788G	11:11	11:11	00:00	0 8	12	Airport	₹ 0.00
2690W2079G	11:40	11:58	00:18	18 9	48	Waterwise - river trip	₹ 18.40
2690W1609G	11:04	11:12	00:08	8 9	48	Waterwise - river trip	₹ 8.18
2690W1109V	11:53	11:57	00:04	4 9	48	Waterwise - river trip	₹ 4.09
2690W1079K	09:02	09:05	00:03	3 9	48	Waterwise - river trip	₹ 3.07
2690W1759V	11:29	11:30	00:01	1 9	48	Waterwise - river trip	₹ 1.02
2690W1469K	09:47	09:47	00:00	0 9	48	Waterwise - river trip	₹ 0.00
2690W1739V	10:11	10:11	00:00	0 9	48	Waterwise - river trip	₹ 0.00
2690W1189V	10:31	10:31	00:00	0 9	48	Waterwise - river trip	₹ 0.00

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2690W1399G	12:49	12:49	00:00	0 9	48	Waterwise - river trip	₹ 0.00
2690W1999K	09:07	09:06	00:00	0 9	48	Waterwise - river trip	₹ 1.02