MARK SCHEME for the May/June 2008 question paper

9713 APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

9713/02   Paper 2 (Practical Test A), maximum raw mark 120

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began.

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.
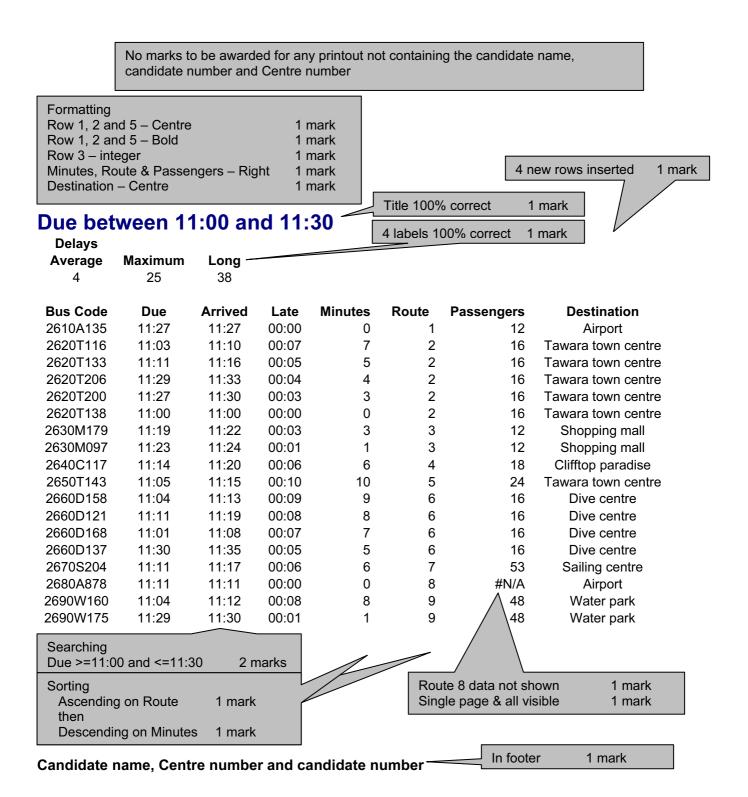
Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

CIE is publishing the mark schemes for the May/June 2008 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Formatting
Row 1, 2 and 5 – Centre	1 mark
Row 1, 2 and 5 – Bold	1 mark
Row 3 – integer	1 mark
Minutes, Route & Passengers – Right	1 mark
Destination – Centre	1 mark

4 new rows inserted   1 mark

Title 100% correct   1 mark

Due between 11:00 and 11:30

4 labels 100% correct   1 mark

Delays

Average	Maximum	Long
4	25	38

Bus Code	Due	Arrived	Late	Minutes	Route	Passengers	Destination
2610A135	11:27	11:27	00:00	0	1	12	Airport
2620T116	11:03	11:10	00:07	7	2	16	Tawara town centre
2620T133	11:11	11:16	00:05	5	2	16	Tawara town centre
2620T206	11:29	11:33	00:04	4	2	16	Tawara town centre
2620T200	11:27	11:30	00:03	3	2	16	Tawara town centre
2620T138	11:00	11:00	00:00	0	2	16	Tawara town centre
2630M179	11:19	11:22	00:03	3	3	12	Shopping mall
2630M097	11:23	11:24	00:01	1	3	12	Shopping mall
2640C117	11:14	11:20	00:06	6	4	18	Clifftop paradise
2650T143	11:05	11:15	00:10	10	5	24	Tawara town centre
2660D158	11:04	11:13	00:09	9	6	16	Dive centre
2660D121	11:11	11:19	00:08	8	6	16	Dive centre
2660D168	11:01	11:08	00:07	7	6	16	Dive centre
2660D137	11:30	11:35	00:05	5	6	16	Dive centre
2670S204	11:11	11:17	00:06	6	7	53	Sailing centre
2680A878	11:11	11:11	00:00	0	8	#N/A	Airport
2690W160	11:04	11:12	00:08	8	9	48	Water park
2690W175	11:29	11:30	00:01	1	9	48	Water park

Searching
Due >=11:00 and <=11:30	2 marks

Sorting
Ascending on Route then	1 mark
Descending on Minutes	1 mark

Route 8 data not shown   1 mark
Single page & all visible   1 mark

Candidate name, Centre number and candidate number

In footer   1 mark

Formulae Used

	A	B		Late	Minutes	F
1	**Delays**					
2	**Average**	**Maximum**	**Long**			
3	=AVERAGE(E6:E131)	=MAX(E6:E131)	=COUNTIF(E6:E131,">4")			
4						
5	**Bus Code**	**Due**	**Arrived**	**Late**	**Minutes**	**Route**
68	2650T132	0.534722222222222	0.552083333333333	=IF(B68>C68,0,C68-B68)	=MINUTE(D68)	=MID(A68,3,1)
69	2650T104	0.484027777777778	0.491666666666667	=IF(B69>C69,0,C69-B69)	=MINUTE(D69)	=MID(A69,3,1)
81	2660D095	0.522916666666667	0.536111111111111	=IF(B81>C81,0,C81-B81)	=MINUTE(D81)	=MID(A81,3,1)
97	2670S177	0.397916666666667	0.411111111111111	=IF(B97>C97,0,C97-B97)	=MINUTE(D97)	=MID(A97,3,1)
122	2690W207	0.486111111111111	0.498611111111111	=IF(B122>C122,0,C122-B122)	=MINUTE(D122)	=MID(A122,3,1)

Candidate name, Centre number and candidate number

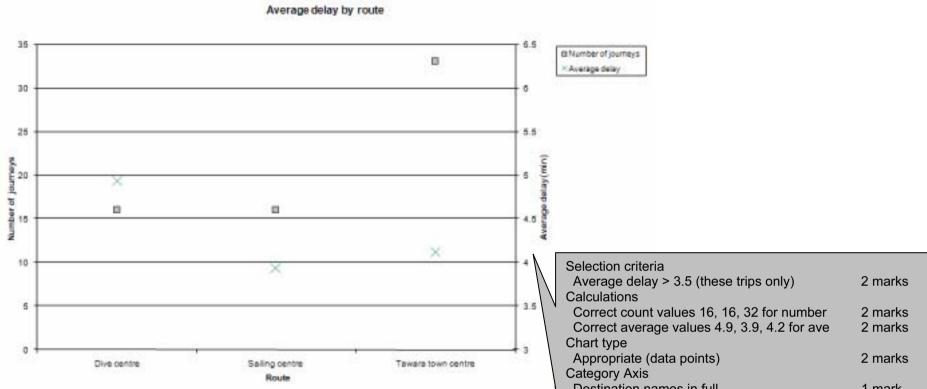|	Passengers	Destination
2		
3		
4		
5	**Passengers**	**Destination**
68	=VLOOKUP(VALUE(F68),J8SEATS.csv!$A$2:$B$9,2,False)	=VLOOKUP(MID(A68,5,1),[J8DEST.csv]J8DEST!$A$1:$B$7,2)
69	=VLOOKUP(VALUE(F69),J8SEATS.csv!$A$2:$B$9,2,False)	=VLOOKUP(MID(A69,5,1),[J8DEST.csv]J8DEST!$A$1:$B$7,2)
81	=VLOOKUP(VALUE(F81),J8SEATS.csv!$A$2:$B$9,2,False)	=VLOOKUP(MID(A81,5,1),[J8DEST.csv]J8DEST!$A$1:$B$7,2)
97	=VLOOKUP(VALUE(F97),J8SEATS.csv!$A$2:$B$9,2,False)	=VLOOKUP(MID(A97,5,1),[J8DEST.csv]J8DEST!$A$1:$B$7,2)
122	=VLOOKUP(VALUE(F122),J8SEATS.csv!$A$2:$B$9,2,False)	=VLOOKUP(MID(A122,5,1),[J8DEST.csv]J8DEST!$A$1:$B$7,2)

Candidate name, Centre number and candidate number

Late buses by Route

Number of buses late, by route								
Route 1	Route 2	Route 3	Route 4	Route 5	Route 6	Route 7	Route 8	Route 9
0	6	5	2	4	8	6	5	2

Route 1	**0**
Route 2	**6**
Route 3	**5**
Route 4	**2**
Route 5	**4**
Route 6	**8**
Route 7	**6**
Route 8	**5**
Route 9	**2**

Candidate name, Centre number and candidate number

Average delay by route

Candidate name, Centre number and candidate number

Selection criteria	
Average delay > 3.5 (these trips only)	2 marks
Calculations	
Correct count values 16, 16, 32 for number	2 marks
Correct average values 4.9, 3.9, 4.2 for ave	2 marks
Chart type	
Appropriate (data points)	2 marks
Category Axis	
Destination names in full	1 mark
Meaningful & appropriate axis label	1 mark
Value Axes	
2 axes shown	1 mark
Meaningful & appropriate axis labels	2 marks
Average delay axis rescaled – min 3	2 marks
Chart Title	
Meaningful & appropriate chart title	1 mark
Title of appropriate size	1 mark
Series labels	
Visible, correct and appropriate	2 marks
(may be in a legend)	

Paradise rediscovered… Tawara Beach Hotel

Just 17km away is Galle, itself built around an old Fort jutting out into the Indian Ocean. It is a labyrinth of with a scat restaurants. don't expect multitude o pleasures is evening along with many of the residents. Something you have to get used to is the frie

Heading
Bold   1 mark
Underscore   1 mark
Centre aligned   1 mark
16 point   1 mark
Sans-serif font   1 mark

Image – left column
Aligns top of text +-2mm   1 mark
Aligns margins +-2mm   1 mark
More than 1/3 of vertical column 1 mark
Cropped – all building visible   1 mark
Text wrap   1 mark
No distortion   1 mark

We
lon
ma

Boasting 4 freshwater swimming pools, one of which is indoor and one quiet pool for Adults only, the Hotel Tawara Beach is great for water lovers. The elegant sun terraces offer the ideal place to work on your tan and appreciate the beautiful surroundings. Diving and snorkelling are well established local pastimes, with the Hotel Tawara Beach using a diving centre only 6 km away.

The hotel offers 4 all-inclusive dining opportunities - an international buffet restaurant, French à la carte and Sri Lankan à la carte (one visit per stay). There is also a superb fish restaurant which charges extra. All restaurants are non-smoking, air-conditioned and hold themed evenings with diet, vegetarian and children's menus available. Children can also enjoy early suppers. If you're feeling peckish in between meals a patisserie and snack bar are available. The fourth restaurant is the Sucrose Spectacular. It uses an ingenious blend of $C_{12}H_{22}O_{11}$ (more commonly known as cane sugar) which is extracted in-house. The most creative sucrose chef on the island then creates the most magnificent sugar creations, exceeding the dreams of the most sweet-toothed guest.

Standing proudly beside the glittering, blue ocean in the burgeoning resort of Tawara Beach, it aims to offer 5 star service in a 5 star location. On arrival, take a quiet and leisurely stroll through the dazzling gardens past the serene swimming pools and onto the glorious beach, and you'll instantly be thrilled that you chose the Hotel Tawara Beach for your holiday in Sri Lanka.

Inside the hotel you'll discover elegant bedrooms and a wonderful array of facilities ranging from a full entertainment programme to a well equipped fitness centre. So, whether you're a young family looking for a lively week filled with fun and activity or a couple seeking relaxation and romance, the world class Hotel Taw   Be   will   you   lo   ling for,

Text
Correctly replaced   1 mark
Subscript used   2 mark

The   and is just 1.5km from the shopping centre with souvenir shops and a chemist. Venture into Tawara resort centre, 7km away, for a selection of beach bars and restaurants.

The Hotel Tawara Beach boasts an amazing array of facilities including tennis, basketball,

... table tennis ... watersports ... canoeing, a ... ath for those ... iday. There's a daily animation programme and nightly evening entertainment plus a lounge, bar and beach bar.

Children are wonderfully looked after at the Hotel Tawara Beach with their own swimming pool, a soft play centre, playroom, playground and an exciting hotel-run kid's club. Cots and highchairs are available.

The hotel also offers free bus services to guests, to the following locations:

- Airport
- Clifftop paradise
- Dive centre
- Shopping mall
- Sailing centre
- Tawara town centre
- Water park

These run with incredible frequency, for the buses to the town centre and shopping mall, it is not unusual to find 6 buses per hour during the daylight hours.
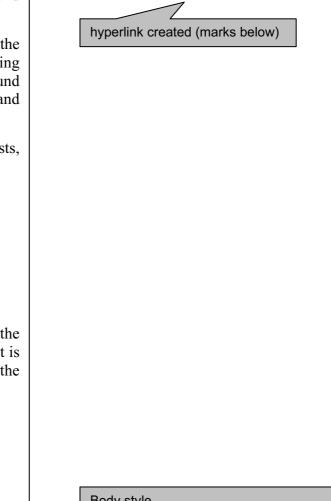
The hotel complex also includes:

- Minimarket
- Souvenir shop
- 24 hour reception
- Money exchange facility
- Safety deposit boxes
- Room service
- Laundry service
- Hairdresser
- Health and beauty centre including massage
- Video games
- Internet
- Motorised watersports at an extra charge
- Hotel doctor

Comments from a recent visitor said:

This was a wonderful holiday. Thanks to extremely well trained, friendly staff. The hotel is one of the most friendly hotels that we have stayed in Sri Lanka. We certainly return again. The food is excellent, with the Sucrose Spectacular is a must for those who love desserts. The Animation team are superb. The night time entertainment is superb. Well done. All the best to all the management and staff. We will return.

We can be contacted by [clicking here](.).

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E-mail Address

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Hyperlink
  Correct text   1 mark
  Correct e-mail address   1 mark
  Correct subject line   1 mark