#### UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**International General Certificate of Secondary Education** 

# MARK SCHEME for the May/June 2012 question paper for the guidance of teachers

# 0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/22

Paper 2 (Practical Test A), maximum raw mark 80

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, which would have considered the acceptability of alternative answers.

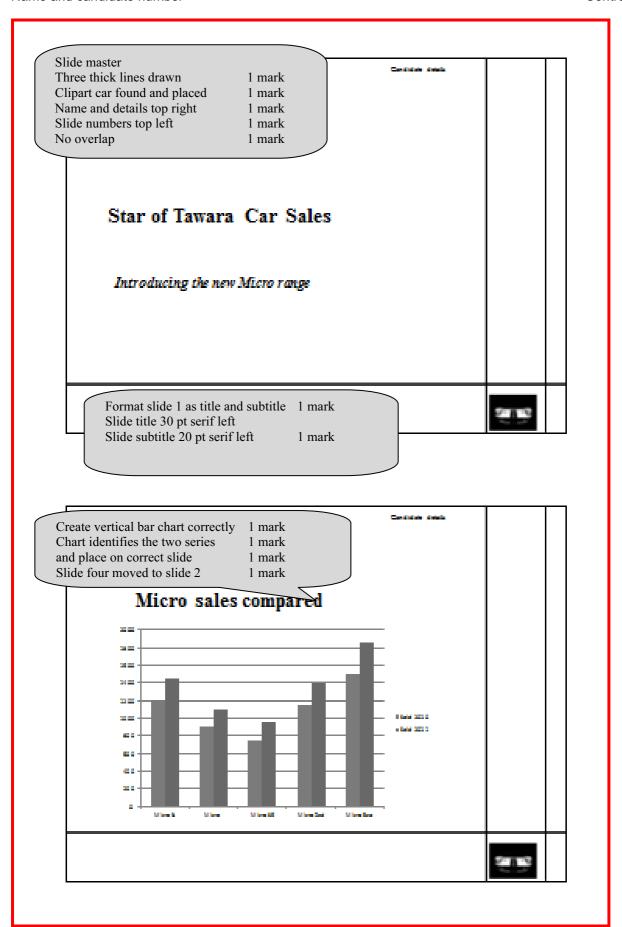
Mark schemes must be read in conjunction with the question papers and the report on the examination.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the May/June 2012 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

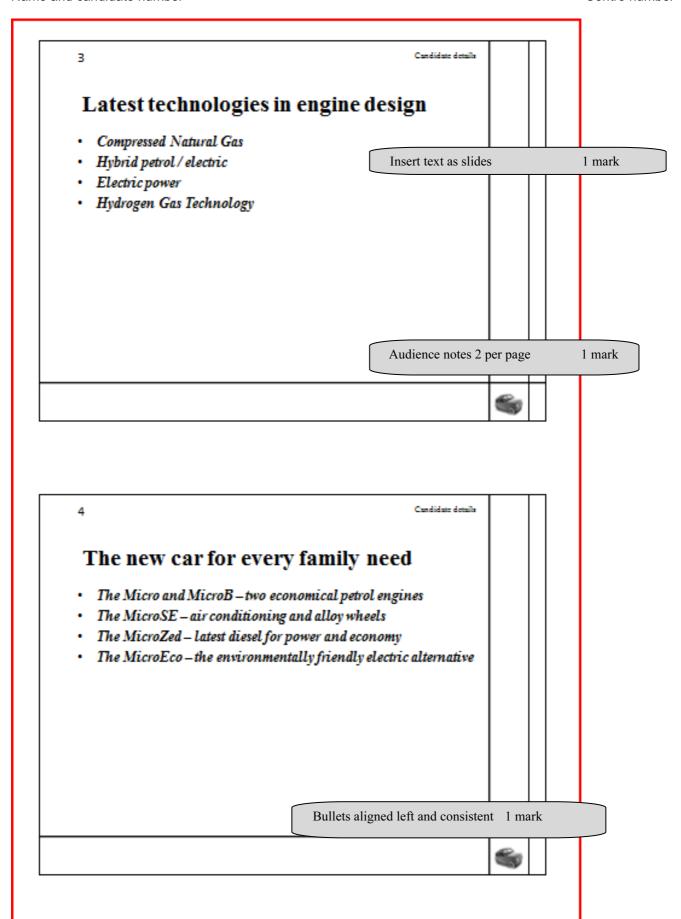
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Page A4 Portrait 1 mark All margins 2 cms 1 mark Section break after titles 1 mark 2 columns and 1cm space 1 mark

Header

Name and Candidate number left centre number right aligned

avvara

ar, the Micro, and drove

## Sales

## Interview conducted by: name

ard.

Mr Lucknow tells us how the com developed. "I started selling

hand cars from a life town.

Title entry accurate, formatted and aligned Subtitle entry accurate, formatted and aligned 2 marks 2 marks

lted to be an

Centre number

so studied finance for her degree. She became the company sales and finance director and drives us forward in the market. She has set up all our new sales locations and showrooms in each of the European cities where we have expanded.

gest of the children, the twins,

Image

I give you a picture of my car sales from which I sold second hand of those days. As you see, it is now longer used but this is where I started out.

I was proud of what I had achieved and expect I would still be there but for two things. One was the education I gave to my children and the other was the launch of the Lola Micro range of cars.

Spellings corrected I have four children and I tan or rearry proud of their educational successes. My eldest is Sanjeev and he followed a business studies course at the university. When he got his degree, he went on to study for an MBA. He has become my international business development director in the new franchises we have gained from Lola Motor Corporation. It was he who saw the potential of the

Correct image replaces text, placed and aligned to left margin Resized to fill column with no distortion

small family

my busine

1 mark 1 mark

Text wrapped round image

1 mark

servicing and repairs.

It was pressure from them that made me tle ma Body text format 14 pt, serif, bad to Single Is and fully justified 1 mark of Consistent paragraph spacing 1 mark finance, technology and modern cars. Nothing in my old firm was computerised and I still don't like to rely lters. However, the generation have shown that a modern company cannot exist without electronic communications and services. My nephew designs our web site and maintains overall for strategies computers in the firm.

It through modernising was these in£1 Footer Date left aligned, page number in centre 1 mark

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Sales was able to get the franchise to sell the Micro range. This car is so well placed to match the market desires that we continue to expand our sales franchises.

The Lola Motor Corporation introduced this range of small cars to meet the aspirations of families who have so far not become car owners and did not expect to be able to afford their own car. They are so well built and environmentally friendly that they are really popular with our new customers.

We started with one showroom in the town where I had my second hand car sales. We soon found that we had plans to expand into other countries and have just opened our latest sales base in Madrid. We now have sales outlets in five major cities across Europe.

Two new technologies that Lola have developed are hybrid cars using electric power with small petrol engines and fully electric cars which are suitable for running round town. Many new charging points are being installed in town centres so that your car can be recharged while you are shopping. Future plans, at present only concepts, include hydrogen power with the main emission being water.

Here is the range of Micro cars we sell."

The complete Micro Range				
Code	Model	Description		
EG0016934	MicroB	Entry model		
ID0137637	Micro	Family car		
SA1219259	MicroSE	Hybrid		
		economy		
PK5204785	MicroZed	Diesel power		
AE0366581	MicroEco	Electric		
		power		

File found and placed correctly	1 mark
Text matches body text	1 mark
Top row only merged cells	1 mark
Top row underlined	1 mark
Top two rows only centred	1 mark
Second row italic	1 mark
All borders to print, text aligned top of cells	1 mark

No widows, orphans, split tables, blank pages Document complete with paragraphs intact 1 mark 1 mark

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## List of MicroEco cars for sale

Location	VIN	Model	Power	EngineSize	Price	Colour	Sold	
Hamburg	372C15423006	MicroEco	Е	N/A	€13,000.00	Gold	No	
Hamburg	373C15423020	MicroEco	Е	N/A	€13,000.00	Silver	No	
Hamburg	374A15423010	MicroEco	Е	N/A	€13,000.00	Red	No	
Hamburg	375A15423010	MicroEco	Е	N/A	€13,000.00	Silver	No	
Hamburg	375A15423015	MicroEco	Е	N/A	Report heading corre	et		1 mark
Hamburg	376B15423010	MicroEco	E	N/A	Selection is MicroEco	and sold=n		1 mark
Hamburg	377A15423014	MicroEco	E	N/A	Sorted in ascending of	rder of locat	ion then VIN	1 mark
Hamburg	377B15423013	MicroEco	E	N/A	These 8 fields only All data and labels fu	lly visible		1 mark 1 mark
London	376B15423011	MicroEco	E	N/A	Orientation is landsca	•		1 mark
London	377A15423009	MicroEco	E	N/A	Fits one page wide			1 mark
London	377B15423006	MicroEco	E	N/A	€13,000.00	Green	No	
Madrid	371C15423016	MicroEco	Е	N/A	€13,000.00	Green	No	
Madrid	372A15423009	MicroEco	Е	N/A	€13,000.00	White	No	
Madrid	372B15423009	MicroEco	Е	N/A	€13,000.00	Red	No	
Madrid	372C15423019	MicroEco	Е	N/A	€13,000.00	Silver	No	
Madrid	374A15423005	MicroEco	Е	N/A	€13,000.00	Blue	No	
Madrid	374A15423012	MicroEco	E	N/A	€13,000.00	Red	No	
Madrid	376B15423008	MicroEco	E	N/A	€13,000.00	Silver	No	
Madrid	376B15423016	MicroEco	Е	N/A	€13,000.00	Red	No	
Madrid	377A15423010	MicroEco	Е	N/A	€13,000.00	White	No	
Madrid	377B15423009	MicroEco	E	N/A	€13,000.00	White	No	
Paris	372A15423006	MicroEco	Е	N/A	€13,000.00	Silver	No	
Paris	372A15423012	MicroEco	E	N/A	€13,000.00	White	No	
22 December	2011					Page 1 of 2	2	

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Name and candidate	number	Cent	tre number				
Location	VIN	Model	Power	EngineSize	Price	Colour	Sold
Paris	372A15423018	MicroEco	Е	N/A	€13,000.00	Red	No
Paris	372B15423017	MicroEco	Е	N/A	€13,000.00	Gold	No
Paris	373A15423006	MicroEco	Е	N/A	€13,000.00	Silver	No
Paris	373B15423017	MicroEco	Е	N/A	€13,000.00	Green	No
Paris	374C15423011	MicroEco	Е	N/A	€13,000.00	Silver	No
Rotterdam	374B15423014	MicroEco	Е	N/A	€13,000.00	Blue	No
Rotterdam	374C15423013	MicroEco	Е	N/A	€13,000.00	White	No
Rotterdam	375B15423008	MicroEco	Е	N/A	€13,000.00	Blue	No
Rotterdam	375B15423018	MicroEco	Е	N/A	€13,000.00	Blue	No
Rotterdam	376C15423003	MicroEco	Е	N/A	€13,000.00	Green	No
Rotterdam	377B15423012	MicroEco	Е	N/A	€13,000.00	Red	No
Rotterdam	377C15423002	MicroEco	Е	N/A	€13,000.00	Green	No
Rotterdam	377C15423016	MicroEco	Е	N/A	€13,000.00	Blue	No
Rotterdam	377C15423018	MicroEco	Е	N/A	€13,000.00	Red	No
Rotterdam	377C15423019	MicroEco	E	N/A	€13,000.00	Green	No
Rotterdam	377C15423020	MicroEco	E	N/A	€13,000.00	Gold	No

Number of cars for sale 39

Name, centre number, candidate number

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22 December 2011

Three records added 3 marks
Counts number of cars for sale 1 mark
Has label *Number of cars for sale* 1 mark
Details on right at foot of report 1 mark

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Report heading 2012 *Sales record for Villalobos*Details on right at top of report

1 mark 1 mark

Name and candidate number

Centre number

### 2012 Sales record for Villalobos

Name, centre number and candidate number

SalesPerson	Model	Price	Discount	DateSold	SalePrice	Sold
Villalobos	Micro	€8,500.00	€1,700.00	01/03/2012	€6,800.00	Yes
Villalobos	Micro	€8,500.00	€1,275.00	03/04/2012	€7,225.00	Yes
Villalobos	Micro	€8,500.00	€1,275.00	04/03/2012	€7,225.00	Yes
Villalobos	MicroB	€7,500.00	€375.00	06/01/2012	€7,125.00	Yes
Villalobos	MicroB	€7,500.00	€1,125.00	01/01/2012	€6,375.00	Yes
Villalobos	MicroEco	€13,000.00	€650.00	01/03/2012	€12,350.00	Yes
Villalobos	MicroEco	Sold = Yes		1 mark	€10,400.00	Yes
Villalobos	IVIICTOECO   "	Sales made in 2012 Sales person is Villalo	hos	1 mark 1 mark	€13,000.00	Yes
Villalobos	MicroEco		<del></del>	10/01/2012	€10,400.00	Yes
Villalobos	MicroEco	€13,000.00	€0.00	10/02/2012	€13,000.00	Yes
Villalobos	MicroZed	€11,000.00	€1,100.00	02/02/2012	€9,900.00	Yes

Only the specified fields 1 mark
Orientation is portrait 1 mark
Fits one page wide 1 mark
All data and labels fully visible 1 mark
Sorted Model ascending 1 mark

Sum of sale price, below SalePrice column

1 mark

Has label *Total value of sales*1 mark

€103,800.00

Discount correctly calculated 1 mark
Sale price correctly calculated 1 mark
Price, Discount, SalePrice and sum of sales
all displayed in Euros with 2 dp 1 mark

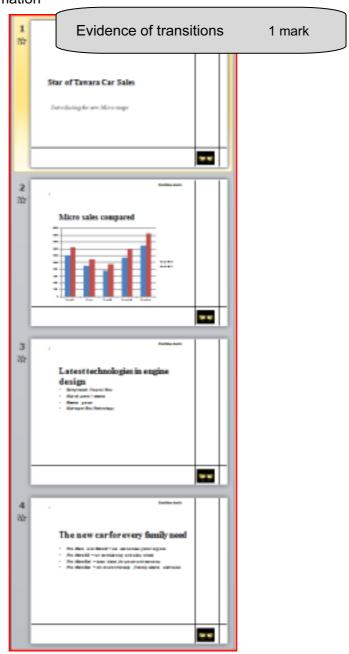
Total value of sales

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Evidence document

Presentation transitions and animation



# Latest technologies in engine design Compressed Natural Gas Hybrid petrol / electric Evidence of animation 1 mark Hydrogen Gas Technology

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#### Contact details

Contact added with name, job title, email address 2 marks

#### Kaif Asif CEO asif.k@cie.org.uk

File list evidence

J12REPORT.RTF J12MOTORS.CSV J12MODELS.CSV J12SALES.RTF J12MICROSALES.CSV

List of six downloaded saved files 1 mark

Database structure

J12MOTORS Data Type VIN Text Text Model Power Text EngineSize Text Price Currency Colour Text DiscountApplied Number Location Text DateSold Date/Time SalesPerson Text Sold Yes/No General Lookup Field Size Integer Format Decimal Places Auto Input Mask

Fields as given with automatic types

Sold as Boolean, date as dd/mm/yyyy (see report 2) 1 mark

Price field Numeric or Currency 1 mark

DiscountApplied stored as numeric /integer 1 mark

Email with attachment.

E-mail
To: design.h@cie.org.uk 1 mark
CC: CEO (Kaif Asif) 1 mark
Subject: Sales Presentation 1 mark
Message text 1 mark
Presentation file only attached 1 mark

