MARK SCHEME for the October/November 2011 question paper

for the guidance of teachers

0417 INFORMATION AND COMMUNICATION TECHNOLOGY

0417/02   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 October/November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

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Developments at Port Pepard

Report by: a name

Header
Name left cand no centre
Centre no right aligned   1 mark

An important regional port

Image of a harbour, boat or port here

The northern reg___ __ the country has a lo__ coast line of over __o thousand kilome___ __ and has existing ___rts in over forty locations. Many of these ___ional harbours ___ unsuited to the large co___r ships or b__ carriers of today. New ___ have been f___ for developing several n__ anchorages s___ to the massive ships required by to___ transport needs. One such port __ south eas___ has been __ the expor__ meet natio___

Appropriate image found and placed correctly   1 mark
Resized correctly with aspect ratio maintained   1 mark
Text wrap set   1 mark

economical and environmentally friendly family transport.

Development

Port Pepard, a succ___ enterprise, is emerg___ gateway port on ___ containers, bulk and liquid cargo. With less than ten hours steaming time from the region's largest city, Port Pepard provides excellent access to the main trade lines in the northern region. Its handling facilities are developed to manage the efficient transport our new cars.

Body text 12 pt sans-serif, fully justified, single linespace consistently applied   2 marks
Two columns 2 cm gap   1 mark

Port Pepard is operated by one of the largest container terminal operators in the world. APM Terminals has operations spread over more than 50 terminals in 31 countries, on five continents. With a 54% stake, APM Terminals is the largest shareholder in Port Pepard.

Footer
File name right
Date left   1 mark

The Waterfront

Port Pepard offers a total ___th of __ with ___ ___ ___, bulk and break-bulk cargo. It also offers ___sive back-up infrastructure, including ___sing facilities, open stack yards, we___ ___s and dedicated rail sidings.

Title 100%, 36pt serif, right aligned   2 marks
Subtitle 100%, 18pt serif, right aligned, italic and underlined   2 marks

Section break placed correctly continuous same page   1 mark

Port Pepard is well connected by road and ___ail to the rest of the country. It is directly ___nected by the broad gauge rail network of ___tional Railways. Port Pepard has set ___ ___venture with the National Railways ___ ___ ___ ___ ___ making it ___ ___ rail ___ ___ ___ ___ast. ___ ___ ___ ___ have also been augmented with new scheduled services being provided to the new manufacturing plant.

New subhead text entered 100% OK   1 mark
Subheads identified +formatted, italic, 14pt sans-serif font   1 mark

___ has built an 11 km long four-___way connecting the port to the National Highway. The Government has undertaken a project to construct a central spine road extending to Port Pepard.

Port Pepard has the most competitive rail freight rates coupled with excellent transit times as compared to other gateway ports on the West Coast. Port Pepard is now connected to its hinterland by the broad gauge rail network of the National Railways and is now connected by rail to all the major Inland container depots in the North West. The broad gauge rail connectivity project has been undertaken by Pepard Rail Corporation Limited (PRCL) promoted by Pepard Port Limited and the Ministry of Railways. Port Pepard has an equity stake of 38.8% in PRCL. The Port can handle incoming and

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outgoing trains simultaneously and the current capacity of the rail link is 22 trains per day. At present, the port is handling on an average 2 trains per day.

Port Pepard is the first port in this country to receive double stacked container trains (March 2006), which have a capacity of carrying 180TEUs as against 90TEUs carried in a single stack train. At present, the double stack container trains run to the inland railhead.

Oceanographic Conditions

Port Pepard is protected by two islands, which act as a natural breakwater making the port safe in all weather conditions. The presence of these islands also leads to the tranquillity of the water in the harbour. It also ensures the wave height is less than 0.5m most of the time. Port Pepard has now increased the draft to 14.5 metres from 12.5 metres. The water currents are between 2.5 to 3 knots during peak tidal conditions.

These favourable oceanographic conditions at Port Pepard ensure easy and safe navigation of ships round the year. Thanks to the twin islands, Port Pepard can offer its services throughout the year, even during the monsoons, which provides an added advantage to its customers.

Storage Developments

One of the unique features of Port Pepard is the availability of large tracts of land. This is attractive to several customers who wish to set up tank farms or warehouse facilities on site. A car storage facility is built here to hold cars while awaiting shipping. Cars are brought in by rail and loaded into containers in a newly developed container storage facility. This was developed in preparation for the launch of the new Micro range of cars which we believe will meet world-wide requirements for environmentally friendly personal transport that is easily afforded by families of modest incomes.

Car exports

We have come through some difficult years for manufacturing and show here how our planned exports of cars were actually met through the recent years of world economic downturn. It will be seen that we came through that and are meeting export targets again as world trade has picked up.

Cars exported through Port Pepard				
Year	2007	2008	2009	2010
Planned	43000	50000	50000	55500
Actual	45500	39500	45500	56000

Table
Found and placed within column   1 mark
Cells merged   1 mark
Format top row text only
to centred and underlined   1 mark
Outside border a thick line   1 mark
All borders visible   1 mark
Font matches body   1 mark

Page layout
A4 Portrait   1 mark
Margins all 1 cm   1 mark
No widows / orphans   1 mark
Consistent   1 mark
Document complete and paras intact   1 mark

5/09/2010   0417_w11_ms_02

Page 4	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0417	02

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3/10/2011

New slide as first slide with title
and subtitle layout   1 mark
Text correct   1 mark

Port Pepard Docks

New dock for car exports

Review of car movements

Port Pepard Docks

Port Handling Facilities

• Container port
• Bulk fertilisers
• Bulk liquids

Import
Five slides   1 mark

Port Pepard Docks

Port Infrastructure

• Warehousing facilities
• Open stack yards
• Weighbridges
• Dedicated rail sidings

Port Pepard Docks

Inland links

• Rail to regional distribution centres
• New highway constructed

Move slide Port Infrastructure to slide 3   1

Port Pepard Docks

New Car Terminal

• Rail head with RDC links
• Storage awaiting export
• Container loading

Port Pepard Docks

Car exports

• Exports hit by world
  trade downturn
• Now back to
  planned levels

Print
Handout six slides   1 mark

Master slide
All items created and appear on all slides   1 mark
Correct image placed top left   1 mark
Thick horizontal line across slide below image   1 mark

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Name   Candidate number   Centre number

Master slide
Text Port Pepard Docks serif
48 point black above line on right   1 mark

Master slide
Name bottom right   1 mark
Slide number bottom centre   1 mark
No overlaps any text/image any slide   1 mark
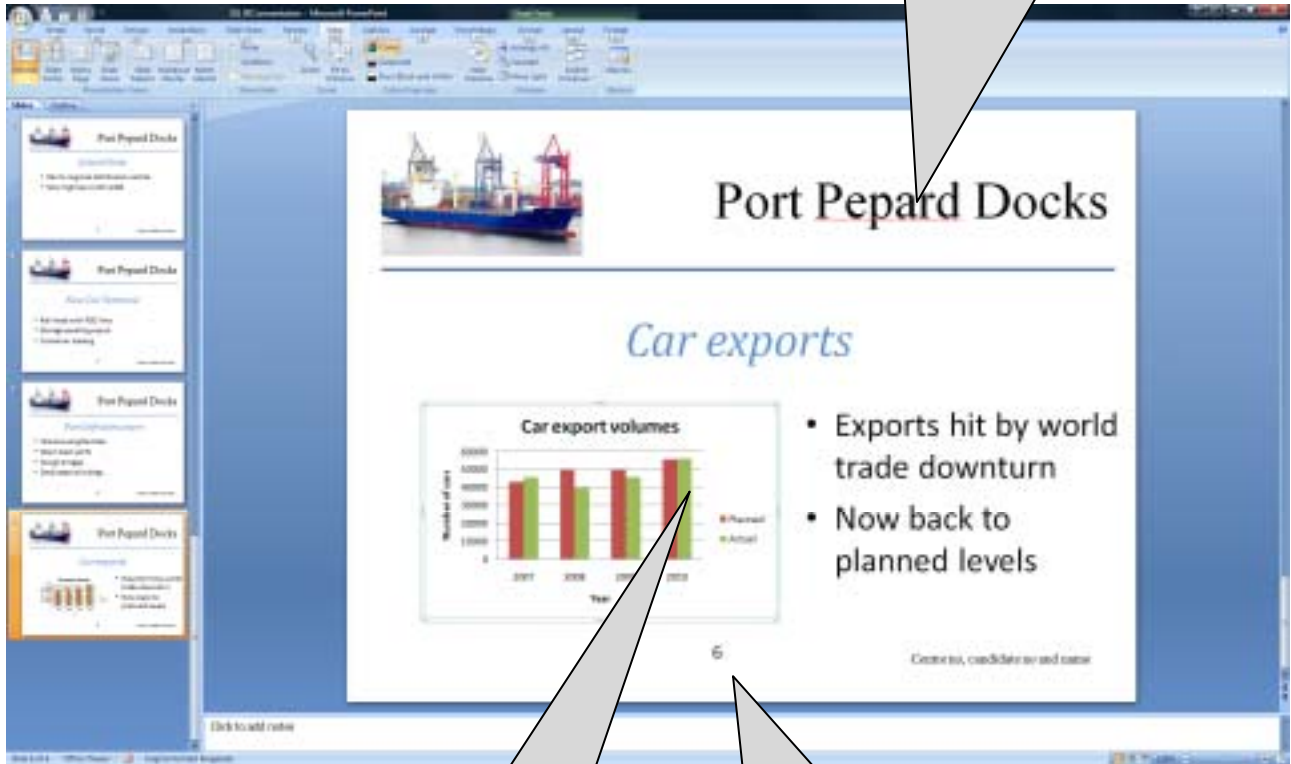
Chart as shown with both series
identified   1 mark
Vertical comparative bar chart   1 mark
Chart titles created correctly
with series labels displayed in full   1 mark
Chart placed correctly   1 mark

Print
Single slide   1 mark

5/09/2010   0417_w11_ms_02

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Calculated field 2 marks
and format currency euro +2dp 1 mark

Dispatch manifest (port: Hamburg)

Title – correct   1 mark

VIN	Model	Power	Engine Size	Cost Price	Colour	Port	Distributor	Delivered Price
375A15423015	MicroEco	E	N/A	€13,000.00	White	Hamburg	BMD AG	€13,300.00
375C15423001	Micro	G	600	€8,500.00	Blue	Hamburg	BMD AG	€8,800.00
375C15423011	MicroB	G	500	€7,500.00	Green	Hamburg	BMD AG	€7,800.00
375C15423020	MicroSE	H	900	€12,000.00	White	Hamburg	BMD AG	€12,300.00
376A15423007	Micro	G	600			Hamburg	BMD AG	€8,800.00
376A15423009	MicroZed	D	12			Hamburg	BMD AG	€11,300.00
376A15423011	MicroSE	H	90			Hamburg	BMD AG	€12,300.00
376A15423015	MicroSE	H	90			Hamburg	BMD AG	€12,300.00
376B15423009	MicroB	G	500	€7,500.00	Blue	Hamburg	BMD AG	€7,800.00
376B15423010	MicroEco	E	N/A	€13,000.00	Gold	Hamburg	BMD AG	€13,300.00
376C15423002	MicroZed	D	1200	€11,000.00	Blue	Hamburg	BMD AG	€11,300.00
376C15423010	MicroSE	H	900	€12,000.00	Red	Hamburg	BMD AG	€12,300.00
376C15423019	MicroB	G	500	€7,500.00	Silver	Hamburg	BMD AG	€7,800.00
377A15423007	MicroB	G	500	€7,500.00	White	Hamburg	BMD AG	€7,800.00
377A15423014	MicroEco	E	N/A	€13,000.00	Red	Hamburg	BMD AG	€13,300.00
377A15423016	Micro	G	600	€8,500.00	Green	Hamburg	BMD AG	€8,800.00
377A15423017	MicroSE	H	900	€12,000.00	Red	Hamburg	BMD AG	€12,300.00
377A15423019	MicroSE	H	900	€12,000.00	Silver	Hamburg	BMD AG	€12,300.00
377B15423002	MicroB	G	500	€7,500.00	Green	Hamburg	BMD AG	€7,800.00
377B15423011	MicroB	G	500	€7,500.00	Green	Hamburg	BMD AG	€7,800.00
377B15423013	MicroEco	E	N/A	€13,000.00	Green	Hamburg	BMD AG	€13,300.00
377C15423005	MicroB	G	500	€7,500.00	White	Hamburg	BMD AG	€7,800.00
377C15423010	Micro	G	600	€8,500.00	Red	Hamburg	BMD AG	€8,800.00
377C15423011	MicroZed	D	1200	€11,000.00	Blue	Hamburg	BMD AG	€11,300.00

Specified fields only and
all data and labels visible as given   1 mark
Page orientation is landscape   1 mark
1 page wide   1 mark

Search Germany (Hamburg)   1 mark
And Dispatched = No   1 mark

Name, candidate number, centre number   **Total cars for Germany**   24

Records sorted on VIN   1 mark
3 records added   3
marks

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Count records   1 mark
label   1 mark
Candidate details on left   1 mark

Name   Candidate number   Centre number

Attention!
Check charge voltage before delivery
VIN: 371C15423016
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Attention!
Check charge voltage before delivery
VIN: 372A15423009
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Attention!
Check charge voltage before delivery
VIN: 372B15423009
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Attention!
Check charge voltage before delivery
VIN: 372C15423019
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Attention!
Check charge voltage before delivery
VIN: 374A15423005
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Attention!
Check charge volt...
VIN: 374A15423012
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, can...

Record selection criteria
VIN starts 37
Country =Spain (Vigo)
Power = E (MicroEco)   3 marks
(eight records)
Labels 2 side by side   1 mark

Attention!
Check charge voltage before delivery
VIN: 376B15423016
Model: MicroEco
Port: Vigo
Distributor: EMD SA
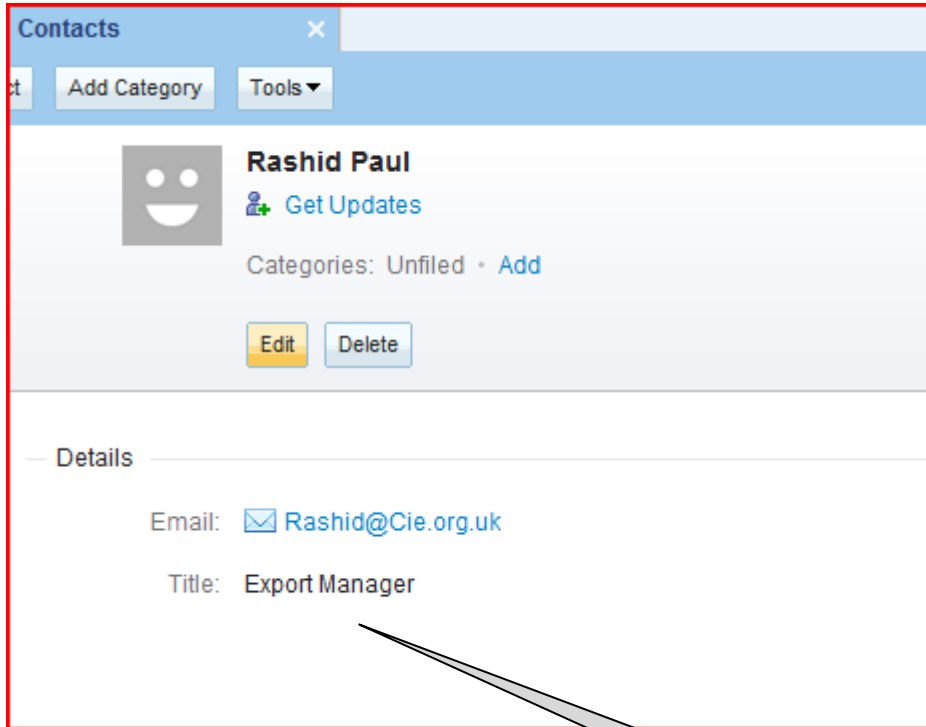Name, centre no, cand no

Attention!
Check charge voltage before delivery
VIN: 377A15423010
Model: MicroEco
Port: Vigo
Distributor: EMD SA
Name, centre no, cand no

Heading text and format 2 marks
Field selection   2 marks
Field labels   1 mark
Own details   1 mark

5/09/2010

Name	Candidate number	Centre number
Candidate name		
Centre number		
Candidate number		

Step 2 Contact entry:

Add contact with job title 2 marks
Rashid Paul
Rashid@cie.org.uk
Export Manager

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Name   Candidate number   Centre number

Step 44 Database field structure screenshot here:
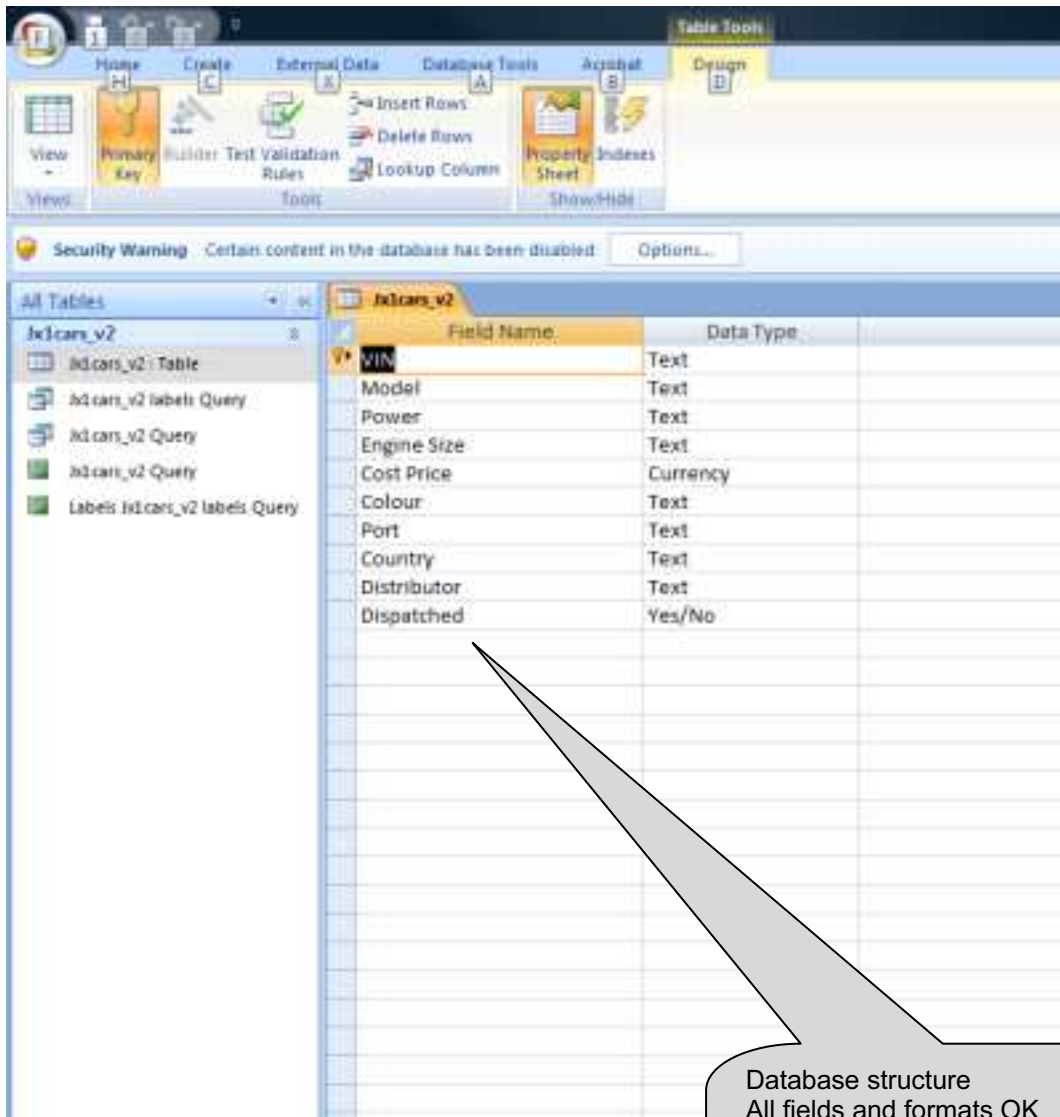
Database structure
All fields and formats OK
        1 mark
Currency format for price field
with Euro symbol
        1 mark
Dispatched as yes/no field
        2 marks

Name   Candidate number   Centre number

Step 53 Place a screenshot of the email showing attachment here:

Send	Attach	Save Draft	Spelling ▼	Cancel

To: design.h@cie.org.uk

Cc: Rashid Paul <Rashid@Cie.org.uk>;

Subject: Port facilities report

Arial ▼   10 ▼   **B** *I* <u>U</u>   🔤 ✏ 😎 🔗 —   ≡ ≔ ⇥   Hide Stationery »

Candidate name
Candidate number
Centre number
You will find the draft report attached.

> Correct addresses
>   2 marks
> Correct subject   1 mark
> and content   1 mark
> Suitable attached file   1 mark

📎 1 File (290KB of 25MB)

✅ NX1PORT02JRXX.docx (289KB) Remove