

UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS
International General Certificate of Secondary Education

MARK SCHEME for the May/June 2011 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 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

Centre number

Header	
Centre no left	Candidate name centre
and cand no right aligned	1 mark

Scheme: Teachers' version	Syllabus	Paper
GCSE – May/June 2011	0417	22

Candidate number

Export facilities at Port Pepard

New developments reported by: a candidate

Location of Port Pepard

The Northwest region of the country has a long coast line of over two thousand kilometres and existing ports in over forty locations. Many of these traditional ports are unsuited to the large container ships or bulk carriers. New sites have been found for developing several new moorings to the massive ships required by today's trade. The most important is Pepard on the south eastern coast. It has been developed specifically to handle the export of containers of cars. These have been built to meet national and world demands for small, economical and environmentally friendly, family transport.

Text moved 1 mark

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 while awaiting shipping. Cars will be brought in by rail and loaded into containers in a newly developed container terminal.

Text deleted 1 mark

Development

Port Pepard, a success emerging as an important gateway for containers, bulk and break-bulk cargo. The steaming time from the region's largest city, Port Pepard provides

Footer	
Date left	1 mark
filename right aligned	1 mark

access to the main trade lines in the north western handling facilities are developed to manage the container terminals has animals in 31 countries on 5 continents. With a 54% stake, APM is the largest container terminal in Port Pepard.

Title entry accurate, formatted 36 point sans-serif, underscored and aligned centre 2 marks
 Subtitle entry accurate, formatted 18 point sans-serif italic and centre aligned 2 marks

New subhead entered and formatted 1 mark
 Subheads identified and formatted 12 pt italic, sans serif, centred 1 mark

The Waterfront

Port Pepard offers a total quay length of 1075 metres and accepts vessels of up to 14 metres draft. There is an on-dock rail facility with dedicated sidings to handle containers, bulk and break-bulk cargo. It also offers extensive back-up infrastructure, including warehousing facilities, open stack yards, weigh bridges and dedicated rail sidings.

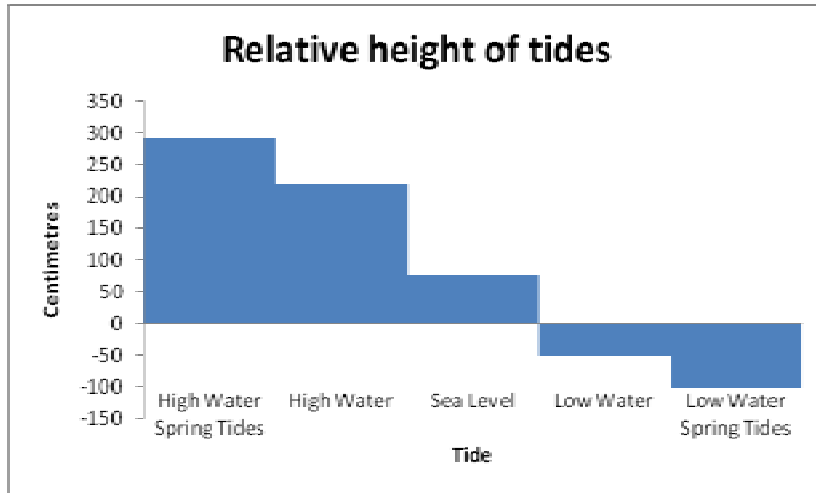
Excellent Connectivity

Port Pepard is well connected by road and rail to the rest of the country. It is directly connected by the broad gauge rail network of the National Railways. Port Pepard has set up a joint venture with the National Railways – Pepard Rail Corporation Limited, making it possible to offer the most competitive rail freight and transit times in the western coast. New links have also been developed with new

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- Chart**
- Created from correct data and in correct place 1 mark
 - Resized to fit within margins of column 1 mark
 - Title 1 mark
 - Series labels displayed in full 1 mark
 - Axis titles **Centimetres** and **Tide** 1 mark
 - No legend 1 mark

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

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Latest UK Delivery Manifest

Model	VIN	Fuel	Engine Size	Cost Price	Colour	Port	Distributor	Delivered
Micro	376B15423019	1	600	€850.00	White	Harwich	UKMI PLC	€935.00
Micro	376C15423008	1	600	€850.00	White	Harwich	UKMI PLC	€935.00
Micro	376C15423005	1	600	€850.00	Green	Harwich	UKMI PLC	€935.00
Micro	377C15423018	1	600	€850.00	Red	Harwich	UKMI PLC	€935.00
Micro	376C15423009	1	600	€850.00	Red	Harwich	UKMI PLC	€935.00
Micro	376B15423020	1	600	€850.00	Red	Harwich	UKMI PLC	€935.00
Micro	377B15423003	1	600	€850.00		Harwich	UKMI PLC	€935.00
Micro	377C15423006	1	600	€850.00		Harwich	UKMI PLC	€935.00
MicroB	376C15423001	1	500	€750.00	Green	Harwich	UKMI PLC	€825.00
MicroB	377A15423015	1	500	€750.00	White	Harwich	UKMI PLC	€825.00
MicroEco	377B15423006	4		€1,300.00	Green	Harwich	UKMI PLC	€1,430.00
MicroEco	377A15423009	4		€1,300.00	Red	Harwich	UKMI PLC	€1,430.00
MicroEco	376B15423011	4		€1,300.00	Blue	Harwich	UKMI PLC	€1,430.00
MicroSE	377A15423004	3	900	€1,200.00	Green	Harwich	UKMI PLC	€1,320.00
MicroSE	376B15423017	3	900	€1,200.00	Blue	Harwich	UKMI PLC	€1,320.00
MicroSE	377C15423020	3	900	€1,200.00	Gold	Harwich	UKMI PLC	€1,320.00
MicroSE	377A15423003	3	900	€1,200.00	Green	Harwich	UKMI PLC	€1,320.00
MicroSE	377B15423008	3	900	€1,200.00	Silver	Harwich	UKMI PLC	€1,320.00
MicroSE	377B15423014	3	900	€1,200.00	Red	Harwich	UKMI PLC	€1,320.00
MicroSE	377A15423001	3	900	€1,200.00	Gold	Harwich	UKMI PLC	€1,320.00
MicroZed	377C15423019	2	1200	€1,100.00	Gold	Harwich	UKMI PLC	€1,210.00
MicroZed	377A15423011	2	1200	€1,100.00	White	Harwich	UKMI PLC	€1,210.00
MicroZed	377B15423007	2	1200	€1,100.00	Blue	Harwich	UKMI PLC	€1,210.00
MicroZed	377B15423007	2	1200	€1,100.00	Green	Harwich	UKMI PLC	€1,210.00
MicroZed	376B15423005	2	1200	€1,100.00	White	Harwich	UKMI PLC	€1,210.00

Report title 1 mark

Page orientation landscape 1 mark
 1 page wide 1 mark
 Only these 9 fields (any order) 1 mark
 Labels and data fully visible 1 mark

3 Added records 3 marks

Calculated field 2 marks
 format with Euro sign and 2 dp 1 mark

Selected records 2 marks
 UK (Harwich) and not Dispatched (26 records only)

Records sorted on model ascending 1 mark

Candidate details bottom left 1 mark

Name, Centre number, Candidate Number

Centre number

Candidate name

Candidate number

Voltage must be checked before delivery

VIN	Model	Colour	Port		
366C15423008	MicroEco	Gold	Brest		
366C15423009	MicroEco	Gold	Brest		
366C15423013	MicroEco	Blue	Brest	FMD SA	No
366C15423018	MicroEco	Blue	Brest	FMD SA	No
365C15423010	MicroEco	White	Rotterdam	NMD	No
365C15423011	MicroEco	Green	Rotterdam	NMD	No
365C15423017	MicroEco	White	Rotterdam	NMD	No
366C15423001	MicroEco	Silver	Rotterdam	NMD	No
366C15423004	MicroEco	White	Rotterdam	NMD	No
366C15423017	MicroEco	Blue	Rotterdam	NMD	No
366C15423019	MicroEco	Gold	Rotterdam	NMD	No
366C15423006	MicroEco	White	Vigo	EMD SA	No

Report title 1 mark
 Field selection and in specified order
 And all fully visible 1 mark

Name Centre number, Candidate number

Number of cars to check 12

Record selection on VIN 2 marks
 2 criteria 365C* or 366C*
 selection on Fuel = 4 1 mark
 Dispatched=No 1 mark
 Field sort order Port then VIN ascending 2 marks

Count of records =12 2 marks
 Label **Number of cars to check** 1 mark
 Own details at bottom of report 1 mark

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Evidence document
Step 2 Contact entry

Add contact with job title
rizwan@cie.org.uk
Development Manager 2 marks

Step 39 Database field structure screenshot here:

The screenshot shows a Microsoft Access table structure. The table has the following fields:

Field Name	Field Type	Field Properties
id	Text	Text
name	Text	Text
job_title	Text	Text
email	Text	Text
cost_price	Currency	Currency
dispatched	Yes/No	Yes/No

Database structure
All fields and formats OK 1 mark
Currency format for Cost price field 1 mark
Dispatched as yes/no field 2 marks
1 if numeric, 2 if validated entry yes/no

The screenshot shows a web browser displaying a report titled "Voltage must be checked before delivery". The report contains a table with the following columns: yr, model, value, unit, quantity, and quantity.

yr	model	value	unit	quantity	quantity
2002	1000	1000	1000	1000	1000
2003	1000	1000	1000	1000	1000
2004	1000	1000	1000	1000	1000
2005	1000	1000	1000	1000	1000
2006	1000	1000	1000	1000	1000
2007	1000	1000	1000	1000	1000
2008	1000	1000	1000	1000	1000
2009	1000	1000	1000	1000	1000
2010	1000	1000	1000	1000	1000
2011	1000	1000	1000	1000	1000

Screenshot of report in browser view 1 mark

