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

0417/21

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

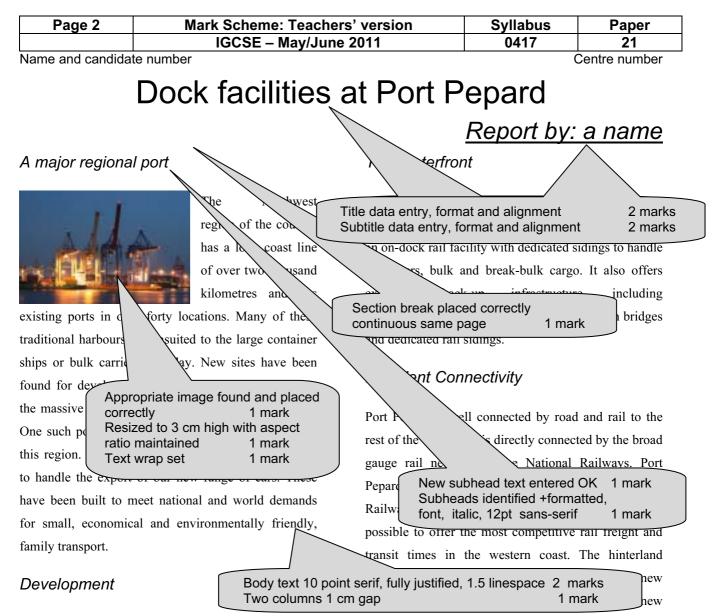
This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began,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





Port Pepard, a successful public – private enterprise, is emerging as an important gateway port on the south eastern coast for 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 north western region. Its handling facilities are developed to manage the efficient transport of our cars.

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 5 continents. With a 54% stake, APM

> File name left Date right

Terminals is the largest shareho Footer

manufacturing plant.

Port Pepard has built an 11 kilometre long four-lane expressway connecting the port to the national highway. The Government has undertaken a project to construct a central spine road, extending up 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 pots in the North West. The broad gauge rail ivity project has been undertaken by Pepard Rail Corporation inited (PRCL) promoted by Pepard

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1 mark

02/08/2011

Page 3	Mark Scheme: Teachers	Syllabus	Paper			
	IGCSE – May/June 2	0417	21			
Name and candida	te number		(Centre number		
Port Limit and the	Ministry of Railways. Port Pepard	personal transport that is easily afforded by families of				
1 \	of 38.8% in PRCL. The Port can	modest incomes.				
handle in an	d outgoing trains simultaneously	Car exports				
d: Name and can tr Centre no right	d no left n average 2		through some diffiend	-		

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.

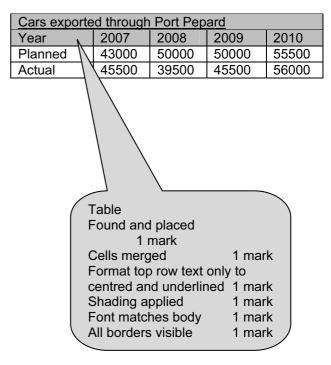
Oceanographic Conditions

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.

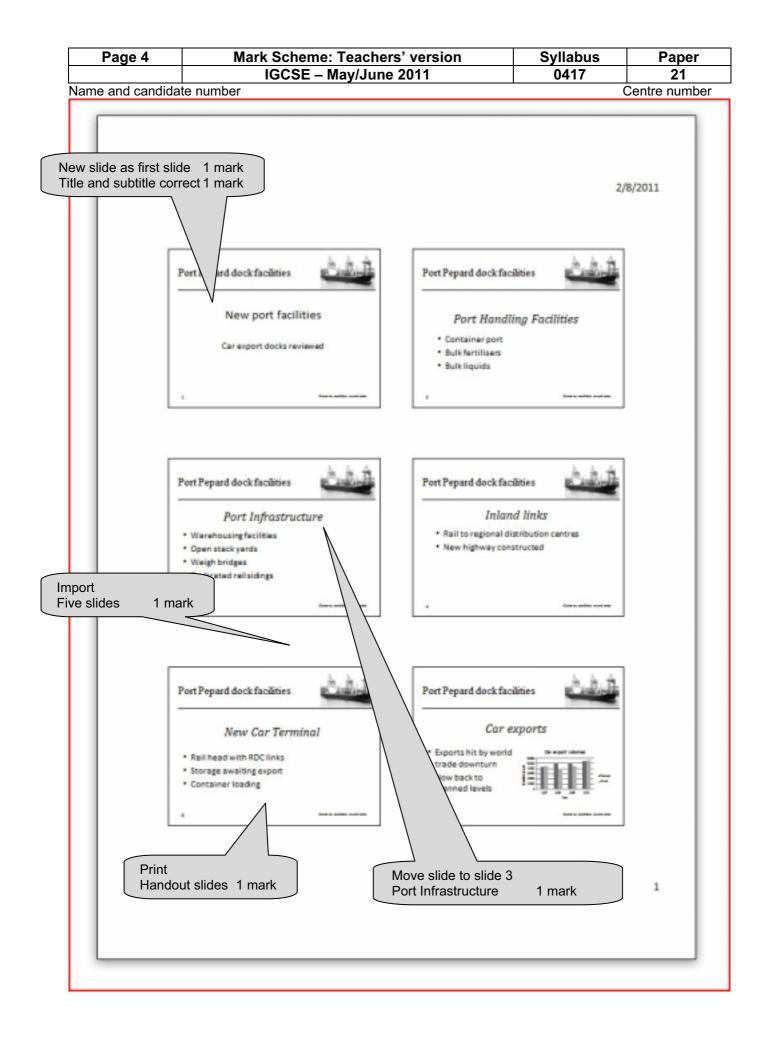
Storage Developments

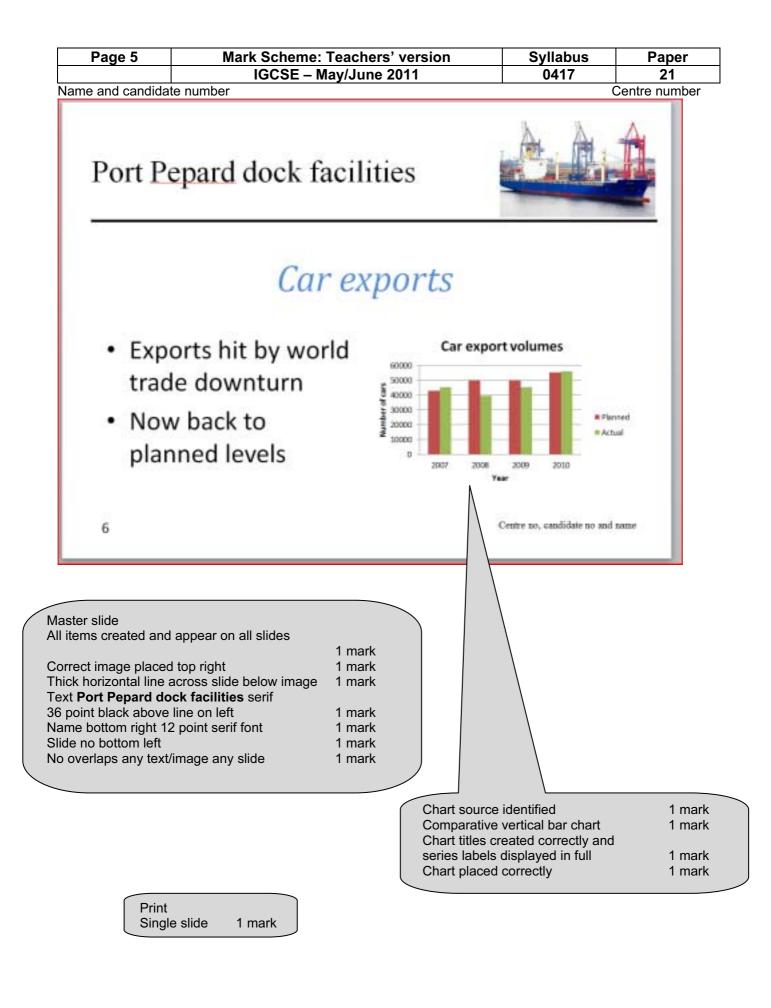
One of the unique features of Port Pepard is the availability of large tracts of land. This is attractive to several customers who wish to set up tank farms or warehouse facilities on site. A car storage facility is built here to hold cars while awaiting shipping. Cars are brought in by rail and loaded 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, 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.





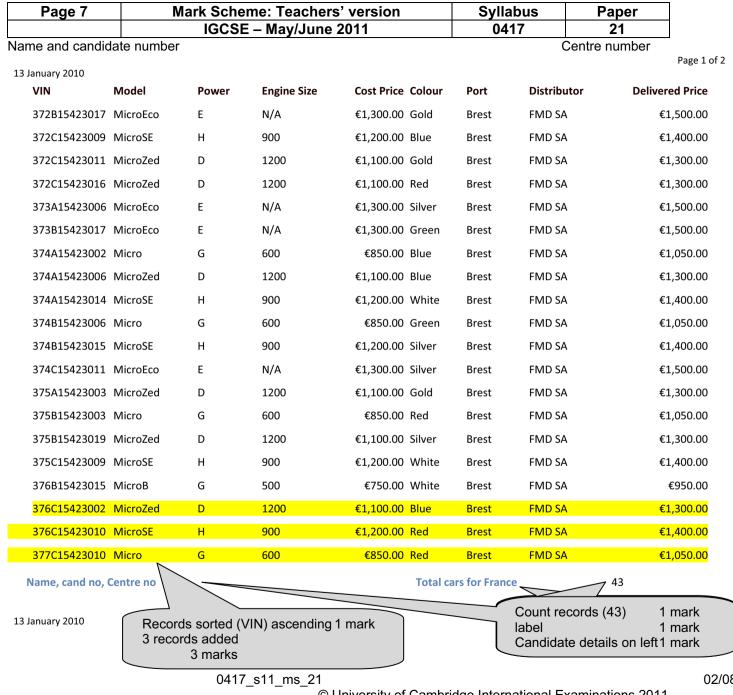
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Page 6	Ма		ne: Teachers'		Syllab		Paper		
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365C15423016	MicroSE	н /	900	€1,200.00 Red	Brest	FMD SA		€1,400	.00
365C15423020	MicroZed	D /	1200	€1,100.00 Red	Brest	FMD SA		€1,300	.00
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366C15423014	MicroSE	Н	900	€1,200.00 Gold	Brest	FMD SA	:	€1,400	, A
367A15423013	MicroZed	D	1200	€1,100.00 Blue	Brest	FMD SA	:	€1,300	.00
367B15423005	Micro	G	600	€850.00 Red	Brest	FMD SA	:	€1,050	.00
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371A15423020	MicroZed	D	1200	€1,100.00 Green	Brest	FMD SA 🔪		€1,300	1 page wide 1 mark
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371C15423008	MicroZed	D	1200	€1,100.00 Green	Brest	FMD SA	:	€1,30	
371C15423011	MicroB	G	500	€750.00 Gold	Brest	FMD SA		€950.	.00
372A15423006	MicroEco	E	N/A	€1,300.00 Silver	Brest	FMD SA	:	€1,500	
372A15423012	MicroEco	E	N/A	€1,300.00 White	Brest	FMD SA	:	€1,500	.00 Search = france (Brest) 1 mark Dispatched = No 1 mark
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372B15423001	MicroSE	Н	900	€1,200.00 Silver	Brest	FMD SA	:	€1,400	.00
372B15423014	MicroSE	н	900	€1,200.00 Gold	Brest	FMD SA	:	€1,400	.00
372B15423016	MicroZed	D	1200	€1,100.00 Blue	Brest	FMD SA	:	€1,300	.00
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Page 8	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – May/June 2011	0417	21
ame and candida	te number		Centre number

Name and candidate number

Warning

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

Warning

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

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

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Warning

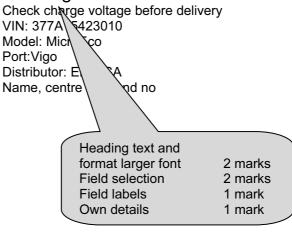
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Record selection criteria VIN = 37*Country = Spain (Vigo) Power = E (MicroEco) 3 marks (eight records) Labels 2 side by side 1 mark

Warning

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

Warning



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Page 9	Mark Scheme: T	eachers' version	Syllabus	Paper	
	IGCSE – Ma	y/June 2011	0417	21	
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Centre number					
Candidate number					

Step 2 Contact entry

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